PB85-229698

BACT/LAER (Best Available Control Technology/Lowest Achievable Emission Rate) Clearinghouse: A Compilation of Control Technology Determinations. Volume 2C Appendix G. Source Type Codes 8.0-12.0

PEI Associates, Inc., Cincinnati, OH

Prepared for

Environmental Protection Agency
Research Triangle Park, NC

Jun 85

U.S. Department of Commerce
National Technical Information Service
NTIS

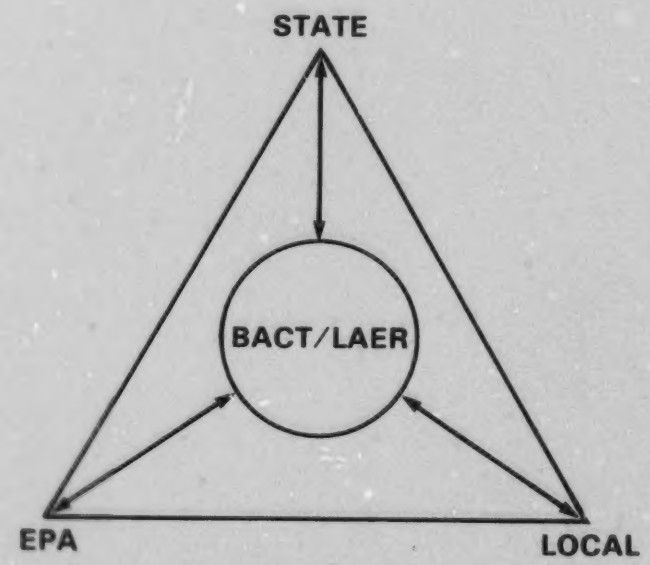
EPA-450/3-85-016 d

BACT/LAER Clearinghouse—

PB85-229698

A Compilation Of Control Technology Determinations

Volume IIC
Appendix G
Source Type Codes 8.0 - 12.0



REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

Developed As Part Of A Joint Effort
Between The U.S. Environmental Protection Agency
And State And Local Air Pollution Control Agencies

June 1985

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO. EPA-450/3-85-016D	2.
3. RECIPIENT'S ACCESSION NO. PB85 229698/AS	
4. TITLE AND SUBTITLE BACT/LAER Clearinghouse - A Compilation of Control Technology Determinations: Volume II-C, Appendix G - Source Type Codes 8.0-12.0	5. REPORT DATE June 1985 (Date of Issue)
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S) David Dunbar, PEI Gary Rust, U.S. EPA	8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS PEI Associates, Inc. Chester Towers 11499 Chester Road Cincinnati, Ohio 45246	10. PROGRAM ELEMENT NO. 11. CONTRACT/GRANT NO. 68-02-3890 Work Assignment No. 4
12. SPONSORING AGENCY NAME AND ADDRESS U.S. Environmental Protection Agency Office of Air Quality Planning and Standards Emission Standards and Engineering Division Research Triangle Park, North Carolina 27711	13. TYPE OF REPORT AND PERIOD COVERED Task Final 14. SPONSORING AGENCY CODE 68A

15. SUPPLEMENTARY NOTES This report will be supplemented from time to time as new determinations require. Users of this report should contact Regional Offices to get the number of subsequent reports.

16. ABSTRACT

This volume contains the detailed source listings for the determinations submitted in source type code 8.0 through source type code 12.0.

The detailed source listing normally contains the following information: source type and size; company name and location; whether determination was BACT or LAER for new or modified source; the person, agency and phone number that made the determination; permit issue date; estimated date of start-up; processes subject to this permit; through-put capacity; pollutant(s) emitted; emission limits; control equipment or process modification; a section for notes; and review status dates.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Air Pollution Industrial Processes Combustion Sources Control Equipment Coal Oil Bark Nitrogen Oxides Scrubbers Baghouses Electrostatic Precipitators	Air Pollution Control Stationary Sources BACT LAER Sulfur Dioxide Particulate VOC	

18. DISTRIBUTION STATEMENT Unlimited	19. SECURITY CLASS (This Report) Unclassified	21. NO. OF PAGES 407
	20. SECURITY CLASS (This page) Unclassified	22. PRICE

EPA Form 2220-1 (Rev. 4-77) PREVIOUS EDITION IS OBSOLETE

BACT/LAER Clearinghouse

Prepared By

Emission Standards And Engineering Division

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

June 1985

DISCLAIMER

This report was prepared by PEI Associates, Inc., Cincinnati, Ohio, under Contract No. 68-02-3890, Work Assignment No. 4. It has been reviewed by the Emission Standards and Engineering Division of the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency. Mention of trade names or commercial products is not intended to constitute endorsement or recommendation for use. Copies of this report are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161.

CONTENTS

Volume I

Figures iv
Acknowledgment v

Introduction 1
Background 1
Report format 2
Improvements to the system 12

Procedures for Future Submissions to the Clearinghouse 17

Appendices

A. Table 1. Index of control technology determinations A-1
B. Table 2. Control technology determinations by type of source - summary of emission limitations. B-1
C. Table 2A. Control technology determinations for external combustion sources. C-1
D. Detailed listing of source type codes. D-1
E. Abbreviations for process and emission limits. E-1
F. Format for BACT/LAER clearinghouse submittals and instructions for completing BACT/LAER clearinghouse input summary sheet. F-1

Volume IIA

G. Detailed source listings
Source type code 1.0 . . . . . G-1
Source type code 2.0 . . . . . G-161
Source type code 3.0 . . . . . G-194
Source type code 4.0 . . . . . G-293

Volume IIB

G. (continued) Detailed source listings
Source type code 5.0 . . . . . G-367
Source type code 6.0 . . . . . G-622
Source type code 7.0 . . . . . G-774

Volume IIC

G. (continued) Detailed source listings
Source type code 8.0 . . . . . G-843
Source type code 9.0 . . . . . G-937
Source type code 10.0 . . . . . G-1082
Source type code 11.0 . . . . . G-1177
Source type code 12.0 . . . . . G-1224

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION — 180500.00 T/YR

COMPANY NAME/SITE LOCATION: ALCOA, NC 740 BOX 576 — BADIN, NC — STANLY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 078
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY); MIKE SEWELL (AGENCY CONTACT PERSON); (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/20/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ANODE PRODUCTION	105260.00 T/YR				
		PM	9.0000 LB/H		
		SO2	13.0000 LB/H		
		VOC	5.0000 LB/H		
POT LINE 3	54500.00 T/YR				
		PM	26.0000 LB/H	FABRIC FILTER	BACT
		SO2	321.0000 LB/H		BACT
		F	12.0000 LB/H	DRY SCRUBBER	BACT
		CO2	1444.0000 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION — 612.00 T/D

COMPANY NAME/SITE LOCATION: ALCOA — WENATCHEE, WA

DETERMINATION IS: FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X82-04
DETERMINATION MADE BY: EPA REGION X (AGENCY); PAUL BOYS (AGENCY CONTACT PERSON); (206)-442-1106 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/12/82
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POTLINES 1,2,3	344.00 T/D				
		SO2	3.0000 % S IN COKE 46.0000 LB/T ALUMINUM	LIM. S CONTENT IN COKE, RAW	

NOTES --------
THIS IS A MODIFICATION OF THE AIR POLLITION CONTROL SYS ONLY. THERE WAS NO CHANGE IN PRODUCTION. THE STATE OF WASHINGTON REQUI
RED UP-GRADING THE APC SYS FROM A WET SCRUBBER TYPE TO THE A-398 DRY ALUMINA ABSORPTION & BAGHOUSE IN ORDER
TO IMPROVE CONTROL OF FLUORIDES AND PARTICULATE. THIS MODIFICATION RESULTED IN AN INCREASE IN SO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1933

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION — 220000.00 T/YR

COMPANY NAME/SITE LOCATION: ALUMAX PACIFIC CORP. — UMATILLA, OR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30-0074
DETERMINATION MADE BY : OREGON DEQ (AGENCY) — LLOYD KOSTOW (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/83
ESTIMATED DATE OF START-UP--
(503)-229-5186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENTIRE PLANT	220000.00 T/YR				
		PM	5.4000 LB/T MONTHLY AV 5.0000 LB/T ANNUAL AV	BAGHOUSE	PSD
		F	1.3000 LB/T MONTHLY AV 1.0000 LB/T ANNUAL AV	DRY SCRUBBER	BACT
ANODE COKE					
		SO2	3.0000 %	SULFUR LIMIT IN COKE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION: ARCO ALUMINUM, P.O. BOX 44, HENDERSON, KY 42420

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-83-48
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY); BILL DILLS (AGENCY CONTACT PERSON); (502)-564-3382 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/18/83
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
UNREACTED ORE STORAGE, 3 TANKS					
		PM	0.7100 LB/H	BAGHOUSE	
		PM	0.5800 LB/H	BAGHOUSE	99.00
		PM	1.4000 LB/H	BAGHOUSE	99.00
AL REDUCTION POTROOM LINES, 4	7.20 T/H ORE				99.00
		PM	1.9000 LB/T AL	BAGHOUSE	
		SO2	358.8000 LB/H	FUEL, S CONTENT	
		F	64.1000 T/YR	SCRUBBER	
BUTTS SURGE TANKS, 2		VE	10.0000 % OPACITY		87.40
ANODE BUTTS CLEANING		PM	0.8600 LB/H		
ANODE BUTTS STRIP & CRUSHER	40.00 T/H OUTPUT	PM	2.0000 LB/H		
CENTRAL BUTTS PROCESSING	30.00 T/H OUTPUT	PM	3.3000 LB/H		
POT DEMOLITION		PM	3.6000 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) ARCO ALUMINUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
CYOLITE BATH CRUSHER		PM	8.6000 LB/H		
BATH STG. BIN		PM	12.9000 LB/H		
COKE BALL MILL		PM	5.1000 LB/H		
COKE CRUSHING		PM	0.8600 LB/H		
COKE FINISH & HANDLING		PM	1.3000 LB/H		
ANODE/CATHODE MIXERS	16.00 T/H	PM	1.2000 LB/H		
ANODE MIXERS, 3		PM	0.9400 LB/H		
GREEN ANODE SCRAP STG.		PM	0.5400 LB/H		
COKE PACKING & CONVEYING		PM	5.1000 LB/H		
FLUID COKE CONVEYING & DIST.		PM	0.9900 LB/H		
ELECTRIC ARC FURNACES, 4		PM	0.8600 LB/H		
ANODE ROD & STUB CLEANING		PM	2.8000 LB/H		
HOLDING FURNACES, 5		PM	1.0000 LB/H		
		PM	0.3700 LB/H		
		SO2	0.0200 LB/H		
		CO	0.6300 LB/H		
		NOX	6.7000 LB/H		
		VOC	0.1100 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1993

SOURCE TYPE/SIZE PRIMARY ALUMINUM PRODUCTION 72884.00 T/YR

COMPANY NAME/SITE LOCATION ARCO METALS CO. SEBREE, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-83-48
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/19/83
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY ALUMINUM REDUCTION POTL*	72884.00 T/YR				
		PM	0.0200 GR/SCF	BAGHOUSE HOODING FOR RAW MATL. HANDLING	BACT 98.00
		F	1.9000 LB/T	A-398 DRY SCRUBBING/BAGHOUSE HOODING	BACT 97.00
		SO2	388.0000 LB/H 1700.0000 T/YR	LOW S COKE & PITCH	BACT

NOTES ---
CONTROL EFFICIENCIES LISTED ARE OVERALL CONTROL EFFICIENCY INCLUDING CAPTURE. COMPANY HAS NOT COMMENCED CONSTRUCTION TO DATE & HAS REQUESTED AN 18 MONTH EXTENSION OF THE PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/26/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION: COASTAL ALUMINUM — WALLACE, SC

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. SC-036
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY); DAVID FLEMING (AGENCY CONTACT PERSON); (803)-758-5406 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/21/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WHOLE PLANT					
		PM	14.7000 LB/H	ESP	BACT
		F		WET SCRUBBER	
ANODE BAKE OVENS, 2 EA		VOC	11.7700 LB/H		
		SO2		0.8% S LIMIT ON FUEL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/02/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION — 277000.00 T/YR

COMPANY NAME/SITE LOCATION: AIRCO CARBIDE (DIV OF AIRCO, INC.) HWY 1523 — CALVERT CITY, KY 42029 — MARSHALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-81-42
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) — BILL DILLS (AGENCY CONTACT PERSON) — DATE OF PERMIT ISSUANCE-- 08/12/81; ESTIMATED DATE OF START-UP--; (502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATERIAL HANDLING	367000.00 T/YR				
		PM	8.2100 T/YR	WET SUPPRESSION + ENCLOSURES + CYCLONES	LAER 97.00
ROTARY KILN	277000.00 T/YR				
		PM	1.3300 T/YR	HOODING + INCINERATOR	LAER 99.90
		SO2	243.2000 T/YR	SCRUBBER	BACT 93.50
		CO	20.5100 T/YR	INCINERATOR	SIP 99.90
		NOX	21.0700 T/YR	INCINERATOR	
		VOC	35.6200 T/YR	INCINERATOR	99.50
PRODUCT HANDLING	277000.00 T/YR				
		PM	6.0400 T/YR	HOODING, BAGHOUSES	LAER 99.00

NOTES --------
THIS EQUIPMENT WILL NOT BE CONSTRUCTED. PERMIT HAS EXPIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER KY-0002

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 02/13/1984

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION — 1400000.00 T/YR

COMPANY NAME/SITE LOCATION: BETHLEHEM STEEL CORP., SPARROWS POINT PLANT — SPARROWS POINT, MD 21219 — BALTIMORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79MD03
DETERMINATION MADE BY: EPA REGION III (AGENCY) — ED VOLLBERG (AGENCY CONTACT PERSON) — (215)-597-8179 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/06/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVENS, 80	1.40 MMT/YR COAL			
CHARGING		SO2	26.0000 LB/H S IN FUEL LIM. TO 1.0% BY WT.	BACT
DOORS		PM	0.0005 LB/T	LAER
PUSHING		PM	0.0500 LB/T	LAER
QUENCHING		PM	0.0300 LB/T 0.0300 GR/DSCF	LAER
STAND PIPES		PM	0.3090 LB/T	LAER
UNDERFIRE		PM	0.3000 LB/T	LAER
		PM	0.1200 LB/T 0.0150 GR/DSCF	LAER

NOTES --------
DETERMINATION FOR SOURCE IS BACT/LAER. PSD PERMIT RESCINDED - EMISSION REDUCTIONS RESULTING FROM SHUTDOWN OF BATTERIES 7,8,9,10 OFFSET EMISSIONS FROM NEW COKE OVEN BATTERY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER MD-0006

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION — 763.00 T/D COKE

COMPANY NAME/SITE LOCATION: GRANITE CITY STEEL — GRANITE CITY, IL — MADISON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. C808048
DETERMINATION MADE BY: ILLINOIS EPA (AGENCY); CHRIS ROMAINE (AGENCY CONTACT PERSON); (217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/01/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COKE OVENS, PUSHING	763.00 T COKE/D	PM	0.0400 LB/T COKE ENCLOSED QUENCH CAR/SCRUB SYS. INVEN OF PARTS, MAINTEN PROCED	LAER
BATTERY STACK		VOC		LAER
LIDS		PM	0.0150 GR/DSCF	LAER
		PM	1.0000 % OF LIDS	LAER
DOORS		VOC	VE FROM NO MORE THAN 1% OF LIDS	LAER
		PM	5.0000 % OF OVENS DESIGN & PARTS INVENTORY	LAER
CHARGING		VOC	VE FROM NO MORE THAN 5% OF OVENS	LAER
		PM		LAER
OFFTAKE PIPING		VOC	55 S TOT. FOR 5 CONSEC. CHARGES	LAER
		PM	4.0000 % OF PIPING	LAER
		VOC	VE FROM NO MORE THAN 4% OF PIPING	LAER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/04/1984

ID NUMBER IL-0014

SOURCE TYPE CODE 8.2

(CONTINUED) GRANITE CITY STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				

NOTES --------
LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA,USEPA, & NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATTER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER IL-0014

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

SOURCE TYPE CODE 8.2

SOURCE TYPE/SIZE: COKE PRODUCTION — 790.00 T/D COKE

COMPANY NAME/SITE LOCATION: GRANITE CITY STEEL — GRANITE CITY, IL — MADISON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 81 01 0067
DETERMINATION MADE BY: ILLINOIS EPA (AGENCY); CHRIS ROMAINE (AGENCY CONTACT PERSON); (217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/01/81
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COKE OVENS, PUSHING	790.00 T COKE/D			
		PM	0.0400 LB/T COKE ENCLOSED QUENCH CAR/SCRUB SYS. INVEN OF PARTS, MAINTEN PROCED	LAER
BATTERY STACK		VOC		LAER
LIDS		PM	0.0150 GR/DSCF	LAER
		PM	1.0000 % OF LIDS VE FROM NO MORE THAN 1% OF LIDS	LAER
DOORS		VOC		LAER
		PM	5.0000 % OF OVENS DESIGN & PARTS INVENTORY VE FROM NO MORE THAN 5% OF OVENS	LAER
CHARGING		VOC		LAER
		PM		LAER
OFFTAKE PIPING		VOC	55 S TOT. FOR 5 CONSEC. CHARGES	LAER
		PM	4.0000 % OF PIPING VE FROM NO MORE THAN 5% OF PIPING	LAER
		VOC		LAER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) GRANITE CITY STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					

NOTES --------
LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA, USEPA,& NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATERIAL EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER IL-0015

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION

COMPANY NAME/SITE LOCATION: INLAND STEEL CO. — EAST CHICAGO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. PC(45)1445
DETERMINATION MADE BY: INDIANA APCD (AGENCY) — TERRY HOYA (AGENCY CONTACT PERSON) — (317)-633-0664 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/22/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRE-CARBONIZATION EMISSIONS					
		PM	0.0310 GR/DSCF		
UNDERFIRE EMISSIONS			20.0000 % OPACITY		
		PM	0.1000 LB/MMBTU		
		SO2			
COKE OVEN GAS DESULFURIZATION				SEE NOTES	
PUSHING OPERATION		SO2	0.3500 GR/100 CF H2S		
OVEN DOORS		PM	0.0200 LB/T COKE		
		VE			
				NOT PERMIT. FROM>10% OF OV. DR	

NOTES --------
UNDERFIRE FUEL IS LIMITED TO NATURAL GAS, DESULFURIZED COKE OVEN GAS, OR BLAST FURNACE GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION

COMPANY NAME/SITE LOCATION: MARTIN MARIETTA CORP. WILMINGTON, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) LA 80-03
DETERMINATION MADE BY: EPA REGION IX (AGENCY); DENNIS BEAUREGARD (AGENCY CONTACT PERSON); DATE OF PERMIT ISSUANCE-- 12/11/80
ESTIMATED DATE OF START-UP--
(415)-974-8236 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CALCINING FACILITY	51.40 T/H				
		SO2	131.0000 LB/H		
			2.5500 LB/T GREEN COKE		
				SODIUM ALKALI SCRUB. SYS	86.00

NOTES --------
BACT IS DETERMINED BY "STATE OF THE ART" TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/04/1984

ID NUMBER CA-0023

SOURCE TYPE CODE 8.2

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION — 210000.00 T/YR

COMPANY NAME/SITE LOCATION: PENNSYLVANIA COKE TECHNOLOGY, INC. — LESTER, WV — RALEIGH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 80WV04
DETERMINATION MADE BY: EPA REGION III (AGENCY) — VERNON BUTLER (AGENCY CONTACT PERSON) — (215)-597-2711 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/06/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMBUSTION STACK	210000.00 T/YR				
		PM	20.2000 LB/H	AFTERBURNER	BACT
		SO2	161.1000 LB/H	LOW SULFUR COAL FEED	90.00
		NOX	785.0000 LB/H		BACT
FUGITIVE TSP		PM			BACT

NOTES --------
0.7% S COAL FEED USED TO LIMIT SO2 EMISSIONS. TECHNOLOGY & AIR QUALITY CONSIDERED. 50% INCREMENT CONSUMED. PLANT WOULD BE PROT
OTYPE. CPACITY REQUIREMENTS FOR TSP.
PROJECT HAS NOT COMMENCED CONSTRUCTION. STATE PERMIT HAS NOT BEEN CANCELLED YET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION — 760.00 T/D

COMPANY NAME/SITE LOCATION: REPUBLIC STEEL CORP. — CLEVELAND, OH — CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-083
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) — IKRAM HABIB (AGENCY CONTACT PERSON) — DATE OF PERMIT ISSUANCE-- ESTIMATED DATE OF START-UP-- (216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PUSHING OPERATION	32.00 T/H COKE PR*	PM	0.0600 LB/T COKE PUSHED	KOPPER,QUENCH CAR W/ATT SCRUB	90.00
CHARGING HOLE LIDS	32.00 T/H COKE PR*	PM	2.0000 % OF LIDS	LARRY CAR W/STAGE CHARGING	
OFFTAKE PIPING	32.00 T/H COKE PR*	PM	5.0000 % OF PIPES		
COKE OVEN DOORS	32.00 T/H COKE PR*	PM	10.0000 % OF DOORS		
WASTE GAS STACK	32.00 T/H COKE PR*	PM	0.0300 GR/SCF	DESULFURIZATION PLANT	
METALLURGICAL COKE MFG.	32.00 T/H COKE PR*	H2S	35.0000 GR/100 DSCF	OPERATING & MAINTEN. PROCED.	

NOTES --------
FED./STATE/LOCAL LAWS AND CONSENT ORDERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COKE PRODUCTION — 1.52 MMT/YR

COMPANY NAME/SITE LOCATION: REYNOLDS METALS CO. — BATON ROUGE, LA — EAST BATON ROUGE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-502
DETERMINATION MADE BY: LAQD/EPA REGION VI (AGENCY) — NAN KILLEEN (AGENCY CONTACT PERSON) — (504)-342-8940 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/02/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, COKE CALCINING, #5	265000.00 T/YR				
		PM	42.0000 LB/H	COMBUSTION AT 2000F,10-12 SEC	BACT
		SO2	2216.0000 LB/H	5% S BY WT GREEN COKE	SIP
		NOX	97.0000 LB/H	LIMIT EXCESS AIR TO COMBUSTION	BACT
		VE	20.0000 % OPACITY		
COOLER, PRODUCT, #5					
		PM	2.0000 LB/H	BAGHOUSE	99.00
		VE	10.0000 % OPACITY		

NOTES --------
FUGITIVE EMISSION FROM COKE HANDLING AND ALL TRANFER POINTS WHICH ARE ROUTED TO A BAGHOUSE ARE LIMITED TO 10% OPACITY. PERMIT REQUIRES TREATMENT OF CALCINED COKE WITH DUST SUPPRESSANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: PRIMARY COPPER SMELTING — 100000.00 T/YR

COMPANY NAME/SITE LOCATION: ASARCO, INC. — TACOMA, WA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY: PUGET SOUND APCA (AGENCY) — HARRY WATTERS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1985
(206)-344-7334 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. HANDL., REVERBATORY FURNA*	250000.00 T/YR		AS	WATER GRANULATION, SEE NOTE	99.00

NOTES --------
THE REACTION OF MOLTEN SLAG & WATER QUICKLY FORMS SMALL GLASS-LIKE PARTICLES WHICH PREVENTS THE EMISSION OF VOLATILE ARSENIC. THE GRANULATED SLAG IS REMOVED BY A DEWATERING CONVEYOR & TRANSFERED TO A STORAGE BIN. THE WATER IS SETTLED IN TWO ADDITIONAL BASINS & RECIRCULATED TO THE GRANULATION SYSTEM WITH MAKE-UP WATER ADDED AS NECESSARY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: FERROALLOY PRODUCTION

COMPANY NAME/SITE LOCATION: CABOT CORP. KOKOMO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. PC(34)1482
DETERMINATION MADE BY: INDIANA APCD (AGENCY) RICHARD WILLIAMSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/05/80
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SLAB CUT OFF					
ROUGH GRIND		PM	20.0000 T/YR	BAGHOUSE	LAER 99.00
GRIT BLAST OPERATION		PM	20.0000 T/YR	BAGHOUSE	LAER 99.00
		PM	20.0000 T/YR	BAGHOUSE	LAER 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 INITIAL REVIEW POST STARTUP

ID NUMBER IN-0011

SOURCE TYPE CODE 8.4

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 95.00 MT/YR MELT

COMPANY NAME/SITE LOCATION: ARMCO STEEL CORP.
P.O. BOX 1697 — BALTIMORE, MD 21203
BALTIMORE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79MD02
DETERMINATION MADE BY: EPA REGION III (AGENCY) — ED VOLLBERG (AGENCY CONTACT PERSON) — (215)-597-8990 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/12/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. ARC FURNACE	95.00 MT/YR MELT	PM	0.0052 GR/DSCF 38.0000 LB/D	BAGHOUSE	BACT 99.90

NOTES --------
EMISSION LIMIT IS BASED ON NSPS. SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER MD-0009

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 145.50 MCF/H

COMPANY NAME/SITE LOCATION: BAYOU STEEL — LAPLACE, LA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-LA-066
DETERMINATION MADE BY: EPA REGION VI (AGENCY); JOHN BUNYAK (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/30/78
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DUST CONTROL					
		SO2	0.2000 LB/H	NONE	
		PM	9.6800 LB/H	WET SPRAY/ENCLOSED	
ELECT. ARC FURNACES, 2	145.50 MCF/H				
		SO2	0.0900 LB/H	NONE	
		PM	2.1900 LB/H	NONE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 1.20 MMT/YR STEEL

COMPANY NAME/SITE LOCATION: BETHLEHEM STEEL CORP. — JOHNSTOWN, PA — CAMBRIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79PA07
DETERMINATION MADE BY: EPA REGION III (AGENCY) — BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/03/79
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. ARC FURNACE					
		PM	0.0020 GR/DSCF 8.5000 LB/H	BAGHOUSE	BACT 99.90
DESULFURIZATION		CO	140.0000 LB/H		BACT
		PM	0.0010 GR/DSCF 0.1200 LB/H	BAGHOUSE	BACT 99.99
MATERIAL HANDLING					
		PM	0.0010 GR/DSCF 0.5500 LB/H	BAGHOUSE	BACT 99.99
ELECT. ARC FURNACE SHOP					
		PM	0.0000 % OPACITY	ROOF CANOPY COLLECTION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: CAMERON IRON WORKS, P.O. BOX 1212, HOUSTON, TX 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-233
DETERMINATION MADE BY: EPA REGION VI (AGENCY); JOHN BUNYAK (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/22/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VAC. ARC DEGREASING/VAC. O2 DEC*	50.00 T/HEAT	CO	8.0000 LB/H VAD 700.0000 LB/H VOC	PROCESS CONTROL	BACT

NOTES --------
ONLY 1 PROCESS CAN BE OPERATED AT ONE TIME (VAD OR VOD). MAX. # OF HEATS TO BE PROCESSED THRU THE VAD/VOD FURNACE WILL BE 3 HEAT/DAY FOR VOD AND 7 HEATS/DAY FOR VOD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 800000.00 T/YR

COMPANY NAME/SITE LOCATION: CHAPANAL STEEL CO. — MIDLOTHIAN, TX — ELLIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-136
DETERMINATION MADE BY: EPA REGION VI (AGENCY); JOHN BUNYAK (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/31/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AUTO SHREDER PRIMARY COLLECTION*	80.00 MT/YR				
		PM	10.0000 LB/H	FABRIC FILTER DUST COLL.	99.90
AUTO SHREDDING SECOND. & TERTIA*					
ELECT. ARC FURNACES, 2		PM	13.0000 LB/H		
		CO	855.0000 LB/H EA	LEA, PROPER OPERATION	
		PM	15.6000 LB/H EA	BAGHOUSE	NSPS 95.00
BILLET HEAT FURNACES, 2					
		CO	4.8000 LB/H EA	LEA, PROPER OPERATION	
		PM	1.9000 LB/H EA	NONE	
MELT SHOP ROOF MONITORS, 2					
		CO	45.0000 LB/H EA	LEA, PROPER OPERATION	
		PM	26.4000 LB/H EA	BAGHOUSE	97.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER TX-0053

SOURCE TYPE CODE 6.5

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 71.00 T/H

COMPANY NAME/SITE LOCATION: FLORIDA STEEL CORP. — BALDWIN, FL — DUVAL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-074
DETERMINATION MADE BY: FLORIDA DER (AGENCY) — BRUCE MITCHELL (AGENCY CONTACT PERSON) — (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/03/83
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE	71.00 T/H				
		PM	0.0052 GR/DSCF	BAGHOUSE	
		SO2	20.0000 LB/H		98.00
		CO	58.5000 LB/H	AFTERBURNER	
		NOX	1.1000 LB/H		95.00
SHOP ROOF-CHARGING CYCLE		VE	20.0000 % OPACITY		
SHOP ROOF-TAPPING CYCLE		VE	40.0000 % OPACITY		
BAGHOUSE EFFLUENT		VE	3.0000 % OPACITY		

NOTES --------
NSPS SUBPART AA, PRODUCTION INCREASE FROM 32 TO 65 BILLET TON PER HOUR STEEL PRODUCT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 200000.00 LB/H

COMPANY NAME/SITE LOCATION: FLORIDA STEEL CORP. — JACKSON, TN — MADISON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: TENNESSEE APCD (AGENCY) — MERVAT AHMED (AGENCY CONTACT PERSON) — DATE OF PERMIT ISSUANCE-- ESTIMATED DATE OF START-UP-- (615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DIRECT ARC MELTING FURNACE & LI*	149300.00 LB/H				
		PM	0.0052 GR/SCF	FABRIC FILTERS	B/H 99.90
REHEAT FURNACE	200000.00 LB/H	CO	1343.7000 LB/H		BACT
		PM	16.0000 LB/H		BACT
		SO2	193.6000 LB/H	1% S FUEL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: JONES & LAUGHLIN STEEL CORP.
3341 JENNINGS RD CLEVELAND, OH 44109

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1158
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/17/84
ESTIMATED DATE OF START-UP-- 1983
(216)-666-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DESULFURIZATION, HOT METAL LADLE	375000.00 LB/H	HOT ME*			
		PM	0.0100 GR/DSCF 16.6000 T/YR	BAGHOUSE	99.30

NOTES --------
A VARYING BLEND OF LIME & MAGNESIUM IS INJECTED INTO LADLE AS A DESULFURIZING AGENT. THE MAX USAGE OF LIME IS 120 LB/MIN. & MA
X MAGNESIUM RATE IS 4.5 LB/MIN. DURING THE PROCESS. NITROGEN IS USED AS A CARRIER GAS AT A MAX RATE OF 20 CFM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: KENTUCKY ELECTRIC STEEL CO. COALTON, KY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. C-80-76
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/18/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE A	20.00 T/H	PM	1.6500 LB/H 24.3000 T/YR	BAGHOUSE	99.60
FURNACE B	20.00 T/H	PM	1.6500 LB/H 24.3000 T/YR	BAGHOUSE	99.60

NOTES --------
TO REPLACE 3 EXISTING FURNACES. COMMON FABRIC FILTER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

ID NUMBER KY-0028

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 50.00 T/H IRON

COMPANY NAME/SITE LOCATION: LUFKIN INDUSTRIES, INC. — LUFKIN, TX — ANGELINA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-379
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/26/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CUPOLA	50.00 T/H IRON				
		CO	9.0000 LB/T IRON		BACT
				3 STACK AFTERBURNERS	94.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/198[illegible]

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 40.00 T/H

COMPANY NAME/SITE LOCATION: ROANOKE ELECT. STEEL CO. — ROANOKE, VA — ROANOKE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 78VA06
DETERMINATION MADE BY: EPA REGION III (AGENCY); VERNON BUTLER (AGENCY CONTACT PERSON); (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/27/80
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, ELECT. ARC, UNIT #4	40.00 T/H				
		PM	0.0052 GR/SCF	BAGHOUSE	NSPS 99.70

NOTES --------
PM OPACITY LIMITS ALSO GIVEN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: STD SLAG CO., REPUB. STEEL CORP., #6 BL* — CLEVELAND, OH — CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1005
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) — DANIEL NORTON (AGENCY CONTACT PERSON) — (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/19/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SLAG COOLING	100.00 T/D				
		PM	0.5000 LB/T SLAG		BACT
		H2S	0.2180 LB/T SLAG		

NOTES --------
INNONATIVE TECHNOLOGY - PELLETIZATION WITH ROTARY DRUM & WATER SPRAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

ID NUMBER OH-0042

SOURCE TYPE CODE 8.5

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 1.10 MMT/YR

COMPANY NAME/SITE LOCATION: THE TIMKEN CO. — CANTON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1576051246
DETERMINATION MADE BY: CANTON APCD (AGENCY) — BRUCE BLANKENSHIP (AGENCY CONTACT PERSON) — (216)-489-3385 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/21/81
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. ARC FURN	1.10 MMT/YR				
		PM	0.0052 GR/DSCF	BAGHOUSE	99.65
		CO	0.9000 LB/T STEEL	FURNACE DESIGN	
DEGASSER-REFINER					
		PM	0.0052 GR/DSCF	BAGHOUSE	99.65
CONTINUOUS CASTER					
		PM	0.0052 GR/DSCF	BAGHOUSE	99.65
LADLE DRYER	20.00 MMBTU/H				
		PM	0.0200 LB/MMBTU	BAGHOUSE	99.65
LADLE PREHEATER	20.00 MMBTU/H				
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
TUNDISH PREHEATER	20.00 MMBTU/H				
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
MELT SHOP BINS AND TRUCK DUMP					
		PM	0.0100 GR/DSCF	BAGHOUSE	99.00
HOT SCARFING					
		PM	0.0100 GR/DSCF	WET ESP	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(CONTINUED) THE TIMKEN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BILLET GRINDERS, 6 EA					
		PM	0.0200 GR/DSCF	BAGHOUSE	99.00
SOAKING PITS	320.00 MMBTU/H				
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
REHEAT FURNACE	120.00				
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
MERCHANT MILL FURNACE	82.50 MMBTU/H				
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
TUBE MILL					
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
BOILERS, 3 EA.	40.00 MMBTU/H				
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

(CONTINUED) THE TIMKEN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

05/21/1985

SOURCE TYPE/SIZE IRON & STEEL PRODUCTION 500.00 MLB/H

COMPANY NAME/SITE LOCATION U.S. STEEL/DUQUESNE WORKS PITTSBURGH, PA ALLEGHENY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 78PA18
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON) (215)-597-8186 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/06/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
IRON DESULFURIZATION FACILITY	500.00 MLB/H	PM	4.8000 LB/H	FABRIC FILTER	BACT 99.30

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER PA-0006

SOURCE TYPE CODE 8.5

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 1026.00 T/D

COMPANY NAME/SITE LOCATION: YORK-HANNOVER SEAMLESS TUBES, INC. — LITTLE ROCK, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-722-AR
DETERMINATION MADE BY: ARKANSAS DPC (AGENCY); MIKE PORTA (AGENCY CONTACT PERSON); (501)-562-7444 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/01/83
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACE	1026.00 T/D				
		PM	0.0052 GR/SCF	BAGHOUSE	99.00
		CO	15.8000 LB/H	OXYDATION	90.00
RAW MATERIAL HANDLING					
		PM	0.2400 LB/H	BAGHOUSE	99.00
MANDREL MILL					
		PM	6.6100 LB/H	VENTURI SCRUBBER	95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/06/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: YOUNGSTOWN STEEL CORP. STRUTHERS, OH

DETERMINATION IS: FOR A NEW SOURCE.
PERMIT NO. 0250090622/02-843
DETERMINATION MADE BY: EPA REGION V (AGENCY); BONIFACE THAYIL (AGENCY CONTACT PERSON); DATE OF PERMIT ISSUANCE--; ESTIMATED DATE OF START-UP--; (312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EAF & CONTINUOUS CASTER	70.00 T/HEAT	PM	0.0052 GR/DSCF	NSPS

NOTES --------
COMPANY TO NOTIFY OF DATES OF CONSTRUCTION, STARTUP (ANTICIPATED AND ACTUAL) AND DATE OF PERFORMANCE TESTING TO NSPS REGS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER OH-0021

SOURCE TYPE CODE 6.5

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: ALRECO METALS CO.
ARTHUR MENDEL ROAD — BENTON HARBOR, MI 49022 — BERRIEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 342-344-81
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY) — DAVID FERRIER (AGENCY CONTACT PERSON) — (517)-322-1333 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/15/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, AL HOLDING	140000.00 LB	SO2	0.5200 LB/MMBTU .5% SULFUR OIL	
FURNACE, AL REVERB., 3 EA	200000.00 LB	F	2.5000 MG/CU METER	
		SO2	0.5200 LB/MMBTU	
		PM	0.0300 LB/MLB EXHAUST FABRIC FILTER	
SHREDDING OPERATION & DRYER		CL	3.0000 MG/CU METER	99.90
		PM	0.0400 LB/MLB EXHAUST FABRIC FILTER	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 03/13/1984

ID NUMBER MI-0002

SOURCE TYPE CODE 8.8

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY ALUMINUM — 10500.00 T HYDRAULIC PRESS

COMPANY NAME/SITE LOCATION: ALUMINUM CO. OF AMERICA, 1600 HARVARD AV. — CUYAHOGA HTS, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. P104
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) — RUDY ZUPAN (AGENCY CONTACT PERSON) — (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HYDRAULIC PRESSES	15750.00 LB/H	PM	1.2000 LB/H 0.0014 GR/DSCF	ELECTRIFIED GRAVEL FILTER BED ESP	90.00

NOTES --------
INCOMPLETE COMBUSTION OF THE DIE LUBRICANTS MAY RESULT IN VOC EMISSIONS. CONTROL EFFICIENCY OF THIS SYSTEM ON VOC EMISSIONS IS NOT KNOWN AT PRESENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER OH-0046

SOURCE TYPE CODE 8.8

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: BARMET OF KENTUCKY, INC. — LIVIA, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-83-039
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY); BILL DILLS (AGENCY CONTACT PERSON); (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/18/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, DROSS	40.00 T/H INPUT				
		PM	30.0000 LB/H 86.0000 T/YR	BAGHOUSE #4	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY ALUMINUM — 44000.00 LB/H

COMPANY NAME/SITE LOCATION: CONSOLIDATED ALUMINUM CORP. — NEW JOHNSONVILLE, TN — HUMPHREYS COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: TENNESSEE APCD (AGENCY) — MERVAT AHMED (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/05/81
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DELACQUERING KILN & ELECT. FURN*	27000.00 LB/H				
		PM	0.0200 GR/SCF	CYCLONE, AFTER BURN., BAGHOUSE	BACT
COLD MILL	71048.00 LB/H				
		VOC	19.7000 LB/H	ACHENBECK AIR PURE SYS OR EQV.	LAER 90.00
COIL COATING LINE	14110.00 LB/H				
		VOC	0.6000 LB/GAL COATING	INCINERATION	LAER 90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER TN-0013

SOURCE TYPE CODE 8.8

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: GMC, CENTRAL FOUNDRY DIV — BEDFORD, IN

DETERMINATION IS: FOR A NEW SOURCE.
PERMIT NO. PC(47)1486
DETERMINATION MADE BY: INDIANA APCD (AGENCY) — ANDY SUNDERLAND (AGENCY CONTACT PERSON) — (317)-633-0663 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/28/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. INDUCTION AL. MELTING FU*	4900.00 LB/H	PM	13.0000 T/YR	VENTURI SCRUBBER	95.00
SAND BLAST SYS.	19700.00 LB/H	PM	16.0000 T/YR	BAGHOUSE	98.00

NOTES --------
6000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY ALUMINUM — 15000.00 LB/FURNACE

COMPANY NAME/SITE LOCATION: GREATER TENNESSEE METALS, INC. — SANTA FE, TN — MAURY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: TENNESSEE APCD (AGENCY) — MERVAT AHMED (AGENCY CONTACT PERSON) — (615)-741-3651 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/03/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY FURNACE, 2	2.80 MMBTU/FURNA*				
		PM	4.4000 LB/H EA	BAGHOUSE, 2	BACT 99.90
		SO2	3.1000 LB/H	#2 F. OIL/0.5% S	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1933

ID NUMBER TN-0010

SOURCE TYPE CODE 8.8

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE SECONDARY ALUMINUM 1.50 T/H

COMPANY NAME/SITE LOCATION GULF COAST CHEMICALS, INC. , TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9183
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUEL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/24/82
ESTIMATED DATE OF START-UP-- 1982
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REVERBERATORY FURNACE #1	1.50 T/H				
		PM	2.9000 LB/H		
		NOX	0.8800 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 05/04/1984 INITIAL REVIEW POST STARTUP

ID NUMBER TX-0115

SOURCE TYPE CODE 8.8

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: KAISER ALUMINUM & CHEMICAL CORP. — BEDFORD, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC (47) 1481
DETERMINATION MADE BY: INDIANA APCD (AGENCY) — ANDY SUNDERLAND (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/07/80
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHREDDING OPERATION	5346.00 LB/H	PM	2.9700 LB/H	HYDROSTATIC PRECIPITATOR	99.20
OXIDE DRYER	3.30 MMBTU/H	PM		HYDROSTATIC PRECIPITATOR	95.00
SALT DRYER	1.80 MMBTU/H	PM		HYDROSTATIC PRECIPITATOR	99.00
DELACQERING DRYER	14.00 MMBTU/H	PM	7.0000 LB/H	CYCLONE & AFTERBURNER	93.00
ROTARY FURNACE	20.00 MMBTU/H	PM	0.8000 LB/H	BAGHOUSE	98.00

NOTES --------
6240 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: SECONDARY ALUMINUM — 150000.00 LB/H CASTING

COMPANY NAME/SITE LOCATION: MARTIN MARIETTA OF KENTUCKY, P.O. BOX 480 — LEWISPORT, KY 42351 — HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-79-4
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY); BILL DILLS (AGENCY CONTACT PERSON); (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/18/79
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AL SCRAP RECYCLING SCHREDDER	15.00 T/H				
		PM	9.6400 LB/H		
			0.6400 LB/T SCRAP		
				VENTURI/CYCLONE	97.00
INDUCTION FURNACES, 6	3.50 T/H				
		PM	7.1400 LB/H		
HOLDING FURNACES, 6	3.75 T/H				
		PM	11.7400 LB/H		
		SO2	54.3000 LB/H		
		NOX	16.9000 LB/H		
REVERB	4.50 T/H				
		PM	2.3300 LB/H		
		SO2	10.1000 LB/H		
		NOX	3.1000 LB/H		
DROSS COOLING	1.70 T/H				
		PM	1.2000 LB/H		
			0.7100 LB/T DROSS		
				BAGHOUSE	97.98
REVERBS, 3	4.50 T/H				
		PM	79.2300 LB/H		
		SO2	96.9000 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/06/1984

SOURCE TYPE/SIZE: SECONDARY ALUMINUM — 150000.00 LB/H CASTING

COMPANY NAME/SITE LOCATION: MARTIN MARIETTA OF KENTUCKY — LEWISPORT, KY 42351 — HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-77-71
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) — BILL DILLS (AGENCY CONTACT PERSON) — (502)-564-3382 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/17/77
ESTIMATED DATE OF START-UP-- 1978

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, MELT & HOLD, 3 EA	50000.00 LB/H				
		PM	79.2300 LB/H 44.3000 T/YR		
MILL, ROLLING					
		PM	1.4700 LB/H 6.4000 T/YR		
PAINTING, 2 LINES				MIST ELIMINATOR	85.00
		VOC	125.9300 LB/H 205.7000 T/YR		
				THERMAL INCINERATOR	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 02/13/1984

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: METAL RESOURCES, INC. LONDON, TN LOUDON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: TENNESSEE APCD (AGENCY) MERVAT AHMED (AGENCY CONTACT PERSON) (615)-741-3651 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/25/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHING, SCREENING, & BALL MIL*	20000.00 LB/H				
		PM	4.1000 LB/H	FABRIC FILTERS	BACT 99.90
ROTARY FURNACES, 4	17280.00 LB/H				
		PM	4.6000 LB/H	2 BAGHOUSES	BACT 99.90
		SO2	21.3000 LB/H	#2 F. OIL/0.5% S	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: REPLACEMENT CORES — CANTON, OH

DETERMINATION IS BACT
PERMIT NO. 15-269
DETERMINATION MADE BY: CANTON APCD (AGENCY) — BRUCE BLANKENSHIP (AGENCY CONTACT PERSON) — (216)-489-3385 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, ALUMINUM SWEATING	900.00 LB/H				
		PM	1.1000 LB/H	4 AFTERBURNERS	NOTE 99.00

NOTES --------
NAT. GAS FIRED. RECLAIMED ALUMINUM & IRON TO BE SOLD TO OTHER RECYCLERS FOR ADVANCED PROCESSING. ALSO PERMIT NUMBER 1576051526 . NOTE - STACK TEST ON IDENTICAL UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: WILMER PROCESSING DIV. — BELOIT, WI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. NAA-04-80-54-030
DETERMINATION MADE BY: EPA REGION V (AGENCY) — BONIFACE THAYIL (AGENCY CONTACT PERSON) — (312)-886-6054 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VIBRATING SCREEN					
ROTORY FURNACES		PM	1.0000 LB/H		LAER
		PM	1.0000 LB/H		LAER

NOTES --------
1.0 LB/H BY CONSENT TO AVOID OFFSET & 24 HRS/DAY, 312 DAYS/YR, OR 7488 HRS/Y R FOR FURNACES, VIBRATING SCREEN 16 HRS/DAY, 300 DAYS/YR, OR 4800 HRS/YR, ROTORYFURNACE #1-TESTED AT .31 LB/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE TESTING

05/21/1985

SOURCE TYPE/SIZE GRAY IRON FOUNDARIES 20.00 T/H

COMPANY NAME/SITE LOCATION AMERICAN MANUFACTURING CO. OF TEXAS , TX
TARRANT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13967
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVISON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/08/83
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, INDUCTION, 2 EA	5.00 T/H				
		PM	10.5000 T/YR	BAGHOUSE	BACT 99.90
		CO	0.1000 T/YR		BACT
		NOX	0.4000 T/YR		BACT

NOTES --------
PM EMISSION RATE INCLUDES EMISSIONS FROMSAND SYSTEM & SHAKEOUT AREAS WHICH ARE HOODED & CONTROLLED BY BAGHOUSES. THIS IS ALMOST A COMPLETE REPLACEMENT OF ALL THE OLD EQUIPMENT AT AN EXISTING FOUNDRY. NEW CONTROL EQUIPMENT RESULTED IN A NET DECREASE IN EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION: BRILLION IRON WORKS — BRILLION, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-08-005
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — EMILIA ESTRADA (AGENCY CONTACT PERSON) — (608)-266-0244 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/03/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WET COLLECTOR EXHAUST	35000.00 CF/M	PM	0.0200 GR/SCF	DESIGN SYSTEM	
SAND HANDLING	19050.00 CF/M	PM	0.0200 GR/SCF	BAGHOUSE	99.70
POURING AREA EXHAUST	125000.00 CF/M	PM	0.0100 LB/MLB GAS	DESIGN SYSTEM	
BONDING ADDING SYS.		PM	0.0100 GR/SCF	DESIGN SYSTEM	

NOTES --------
PERMIT RESTRICTIONS EXEMPT PROJECT FROM PSD REQUIREMENTS UNDER 08/07/80 PSD REGULATIONS, NO BANKING PERMITTED, STOCK TESTS REQUIRED. OPACITY LIMITED TO 20%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE GRAY IRON FOUNDARIES 3.00 T/H

COMPANY NAME/SITE LOCATION CYCLONE IRON FOUNDRIES MEMPHIS, TX HALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8340
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVISON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/16/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACE	3.00 T/H				
SAND STORAGE		PM	0.2000 LB/H	BAGFILTER	99.00
SAND SHAKEOUT		PM	0.5000 LB/H	BAGFILTER	99.00
CASTING CLEANING		PM	6.8000 LB/H	WET SCRUBBER	99.00
		PM	0.8000 LB/H	BAGFILTER	99.00

NOTES --------
BACT LIMITS, DETERMINED BY TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER TX-0090

SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION DANA CORP. RUSHVILLE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(70)1489
DETERMINATION MADE BY INDIANA APCD (AGENCY) ANDY SUNDERLAND (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/11/81
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RBC INDUCTION MELTING FURNACES	80000.00 T/YR				
		PM	9.0000 T/YR	NO CONTROLS	
SAND HANDLING	12000.00 T/YR				
		PM	1.0000 T/YR	BAGHOUSE	99.00

NOTES --------
2000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION: FORD MOTOR CO., CASTING DIV.
5600 HENRY FORD BLVD.
BROOKPARK, OH 44142

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1135
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY); IKE HABIB (AGENCY CONTACT PERSON); (216)-664-3508 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/06/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYOR, MOLD BASEMENT REFUSE	* 400000.00 LB/H	PM	0.0300 GR/DSCF	FABRIC FILTER	99.50

NOTES --------
MODIFICATION CONSISTS OF REPLACING BELT CONVEYOR WITH SEVERAL VIBRATING PAN CONVEYORS WHICH WILL BE EXHAUSTED TO FABRIC FILTER BAGHOUSES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION: FORD MOTOR CO., CLEVELAND CASTING PLANT — BROOKPARK, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1063
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) — IKE HABIB (AGENCY CONTACT PERSON) — (216)-664-3508 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/07/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DESULFURIZATION UNIT, GRAY IRON*	96576.00 LB/H GRAY I*	PM	0.0200 GR/DSCF	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

ID NUMBER OH-0051

SOURCE TYPE CODE 8.11

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES — 1.30 T/H

COMPANY NAME/SITE LOCATION: LULING IRON FOUNDRY
800 MAGNOLIA NORTH
LULING, TX
CALDWELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-272
DETERMINATION MADE BY: EPA REGION VI (AGENCY); BILL TAYLOR (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/11/80
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACE	1.30 T/H				
		PM	0.2300 LB/H	BAGHOUSE	
		PM	0.1000 LB/H	BAGHOUSE	99.30
		PM	0.0300 LB/H	BAGHOUSE	99.50
		PM	0.0100 LB/H	BAGHOUSE	99.70
		PM	5.7000 LB/H	VENTURI WET SCRUBBER	99.90
					97.32

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES — 13.00 T/H

COMPANY NAME/SITE LOCATION: LYNCHBURG FOUNDRY — ARCHER CREEK, VA — CAMPBELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA02
DETERMINATION MADE BY: EPA REGION III (AGENCY) — BOB BLASZCZAK (AGENCY CONTACT PERSON) — (215)-597-8186 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/03/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLAST MACHINES #111 & 112	7.00 T/H TOTAL				
		PM	0.1500 LB/T PROC. WT. 1.0500 LB/H		BACT
				BAGHOUSE	99.70
BLAST MACHINES #113 & 114	6.00 T/H TOTAL				
		PM	0.1600 LB/T PROC. WT. 0.9600 LB/H		BACT
				BAGHOUSE	99.70
# 115 DOWNDRAFT TABLES & GRIND *	13.00 T/H				
		PM	0.3700 LB/T PROC. WT. 4.8100 LB/H		BACT
				BAGHOUSE	99.70

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER VA-0014

SOURCE TYPE CODE 8.11

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES — 80.00 MOLDS/H

COMPANY NAME/SITE LOCATION: TYLER PIPE INDUSTRIES, INC.
P.O. BOX 202 — TYLER, TX 75710

DETERMINATION IS
PERMIT NO. 9425
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — WAYNE DAVIDSON (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/03/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MOLDING MACHINE & SAND SYSTEM	80.00 MOLDS/H				
		PM	12.8000 T/YR		BACT
				2 BAGHOUSES	99.90

NOTES --------
SCC 3-04-003-50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION: UNIVERSAL FOUNDRY CO. — OSHKOSH, WI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. MAN-04-80-71-059
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DAN SCHRAMM (AGENCY CONTACT PERSON) — (414)-497-4044 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/20/90
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS FIRED PREHEATING FURNACE	5.00 MMBTU/H				
		PM	0.0350 LB/MLB GAS	BAGHOUSE	LAER 99.80
SAND HANDLING SYS.					
		PM	0.0350 LB/MLB GAS	BAGHOUSE	LAER 99.80
HOLDING FURNACE	15.00 T				
		PM	0.0350 LB/MLB GAS	BAGHOUSE	LAER 99.80
ROTARY SHAKEOUT MACHINE, 2 EA					
		PM	0.0350 LB/MLB GAS	BAGHOUSE PULSE JET COLLECTOR	LAER 99.80

NOTES --------
2 EXISTING CUPOLAS, DEMONSTRATE MEET .12 LB/M LB EXHAUST GAS -- OPERATIONS NOT TO EXCEED 16 HRS/DAY, 240 DAYS/YEAR OR 3840 HOURS/YEAR. OPACITY LIMITED TO 20%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION: VERMONT CASTINGS — RANDOLPH, VT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: VERMONT AEC (AGENCY) — LARRY MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/81
ESTIMATED DATE OF START-UP-- 1987
(802)-828-3395 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CUPOLA FURNACE	15.00 T/H MELT				
		PM	1.0000 LB/H	WET IMPACTION SCRUBBER	99.70
		CO	47.0000 LB/H		
			2000.0000 T/M		
				INCINERATION	98.70
		SO2		NEGLIGIBLE	
				WET IMPACTION SCRUBBER	
				0.8% SULFUR FUEL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION WAUPACA FOUNDRY PLANT #2 WAUPACA, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. MAA-06-80-69-99
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DALE ZIEGE (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 01/20/81
ESTIMATED DATE OF START-UP--
(608)-866-0113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CUPOLA	80.00 T/H				
		PM	6.4700 LB/H	HIGH ENERGY VENTURI SCRUBBER	98.00
		CO		INCIN AT 1300 F FOR 3 SEC	99.00

NOTES --------
MAX OPERATION 6620 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE GRAY IRON FOUNDARIES 300.00 MOLDS/H

COMPANY NAME/SITE LOCATION W-K-M VALUE DIV. OF ACF INDUSTRIES , TX

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-288
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/22/80
ESTIMATED DATE OF START-UP-- 1980
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLOWER STACK	300.00 MOLDS/H				
		PM	5.0000 LB/H	BAGHOUSE	99.99
BLOWER STACK					
		PM	0.5000 LB/H	BAGHOUSE	99.99
OVENS, 2					
		PM	0.5500 LB/H EA	BAGHOUSE	99.99

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY LEAD SMELTING

COMPANY NAME/SITE LOCATION: HAMMOND LEAD PROD., HALSTAB DIV — HAMMOND, IN

DETERMINATION IS LAER
PERMIT NO. 665 & 676
DETERMINATION MADE BY: HAMMOND APC (AGENCY) — RAFIU DANIA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/25/81
ESTIMATED DATE OF START-UP--
(219)-853-6306 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LITHARGE HANDLING	4000.00 LB/H	PM	0.2000 LB/H	BAGHOUSE	LAER 99.80
MATL. BLENDING	10000.00 LB/H	PM	0.0500 LB/H	BAGHOUSE	LAER 99.80

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

ID NUMBER IN-0006

SOURCE TYPE CODE 8.12

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: SECONDARY LEAD SMELTING

COMPANY NAME/SITE LOCATION: P.B. CO. SILVER LAKE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(43)1488
DETERMINATION MADE BY: INDIANA APCD (AGENCY) ANDY SUNDERLAND (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/03/81
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY FURNACE	4125.00 T/YR	PM	5.0000 T/YR	BAGHOUSE	99.50

NOTES --------
2000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

ID NUMBER IN-0016

SOURCE TYPE CODE 8.12

SOURCE TYPE/SIZE: SECONDARY MAGNESIUM SMELTING — 78800.00 T/YR MGO

COMPANY NAME/SITE LOCATION: ALLIED CHEMICAL CORP. DELAWARE VALLEY WORKS — CLAYMONT, DE — NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80DE02
DETERMINATION MADE BY: EPA REGION III (AGENCY) — BOB BLASZCZAK (AGENCY CONTACT PERSON) — (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/18/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REGEN FACILITY,MGO	14234.00 LB/H	SO2	.5% S FUEL/SO2 FED H2SO4 PLANT	BACT 100.00

NOTES --------
100% EFF. WHEN FEEDING SULFURIC ACID PLANT. SOURCE IS OWNED BY PHILADELPHIA ELEC. CO., BUT OPERATED BY ALLIED CHEMICAL DELAWAR E VALLEY WORKS. SO2 LIMIT APPLICABLE WHEN VENTED TO ATMOSPHERE.
MAGNESIUM OXIDE REGENERATION FACILITY INCLUDES PROCESS HEATERS, CALCINER START-UP BURNERS, & CALCINER BURNERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STEEL FOUNDARIES — 260.00 MT/YR

COMPANY NAME/SITE LOCATION: ABEX CORP. — QUEMAHONING TOWNSHIP, PA — SOMERSET COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA03
DETERMINATION MADE BY: EPA REGION III (AGENCY) — BOB BLASZCZAK (AGENCY CONTACT PERSON) — (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/20/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ARC FURNACES	34.50 T/H				
		PM	1.5500 LB/H	STACK, EA -4 UNITS BAGHOUSE	BACT 99.00
		CO	14.8000 LB/H		BACT
SAND HANDLING	7.50 T/H SAND				
		PM	0.7000 LB/H 3.6200 LB/H	W/O RECLAM. WITH RECLAIM BAGHOUSE	BACT 99.50
CORE BAKING	34.50 T/H				
		PM	0.1300 LB/H		BACT
CORE MAKING	34.50 T/H				
		PM	0.1200 LB/H	BAGHOUSE	BACT 99.00
METAL POURING	34.50 T/H				
		PM	0.2900 LB/H	BAGHOUSE	BACT 99.50
MOLD SPRAYING	34.50 T/H				
		PM	0.0500 LB/H	BAGHOUSE	BACT 99.50
WHEEL PICKOUT	34.50 T/H				
		PM	0.5600 LB/H	BAGHOUSE	BACT 99.50
WHEEL CLEANING	34.50 T/H				
		PM	1.0200 LB/H	BAGHOUSE	BACT 99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

(CONTINUED) ABEX CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WHEEL PEENING	34.50 T/H				
		PM	0.2900 LB/H	BAGHOUSE	BACT 99.50
GRAPHITE MACHINING	34.50 T/H				
		PM	0.0500 LB/H	BAGHOUSE	BACT 99.50

NOTES --------
EMISSIONS FROM THE ELECTRIC ARC FURNACE CONTROL DEVICES SHALL NOT EXHIBIT 3% OPACITY OR GREATER. EMISSION POINTS OTHER THAN TH
E ARC FURNACE CONTROLS SHALL NOT EXHIBIT 10% OPACITY OR GREATER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STEEL FOUNDARIES — 41.00 MT/YR

COMPANY NAME/SITE LOCATION: INTERNAT. METALS RECLAMATION CO. — ELLWOOD CITY, PA — LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78PA11
DETERMINATION MADE BY: EPA REGION III (AGENCY) — VERNON BUTLER (AGENCY CONTACT PERSON) — (215)-597-2711 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/02/79
ESTIMATED DATE OF START-UP-- 1978

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL SCALE PREPARATION	40.00 T/D				
ROT. HEARTH FURN. FEED. PREP.		PM	0.8600 LB/H	BAGHOUSE	BACT 99.90
PNEUMATIC UNLOAD	20.00 T/H	PM	0.4100 LB/H	BAGHOUSE	BACT 99.90
PELLET DRYER	8.30 T/H	PM	0.0600 LB/H	BAGHOUSE	BACT 99.90
ELECT. ARC FURNACE	6.00 T/H	PM	0.1500 LB/H	BAGHOUSE	BACT 99.90
ROTARY HEARTH FURNACE	12.30 T/H	PM	6.5000 LB/H	SCRUBBER	BACT 97.70
		PM	2.4000 LB/H	SCRUBBER	BACT 98.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE STEEL FOUNDARIES 4.00 T

COMPANY NAME/SITE LOCATION K O STEEL CASTING, INC. SAN ANTONIO, TX

BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C6789
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVISON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/03/78
ESTIMATED DATE OF START-UP-- 1980
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACE	2.80 T/H				
		PM	3.1000 LB/H 6.4000 T/YR	FABRIC FILTERS	
		NOX	0.6000 LB/H 1.2000 T/YR		

NOTES --------
THE FURNACE IS LOCATED INSIDE AN ENCLOSED ROOM AND THE ROOM IS VENTED TO THE BAGHOUSE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE STEEL FOUNDARIES 60.00 T/H

COMPANY NAME/SITE LOCATION STRUCTURAL METALS, INC. SEGUIN, TX GUADALUPE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8248
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVISON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/07/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF
ELECTRIC ARC FURNACES	60.00 T/H	PM	17.1000 LB/H 75.0000 T/YR	VENTED TO FABRIC FILTER
		CO	3.1000 LB/H 13.5000 T/YR	

NOTES --------
EMISSION LIMITS SET BY NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 INITIAL REVIEW POST STARTUP

ID NUMBER TX-0092

SOURCE TYPE CODE 8.14

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE STEEL FOUNDARIES 10.00 T

COMPANY NAME/SITE LOCATION TEXAS ELECTRIC STEEL CASTING CO. , TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9130
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVIDSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ADD FURNACE	10.00 T/BATCH				
		PM	2.6000 LB/H	FABRIC FILTER	99.00
		NOX	2.3000 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STORAGE BATTERY PRODUCTION/RECLAMATION — 5.60 T/D LEAD CONSUMPTION

COMPANY NAME/SITE LOCATION: BULLDOG BATTERY — TERRELL, TX — KAUFMAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9080
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — GARY MCARTHUR (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/08/82
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRID CASTING	430.00 BATTERY/D	PM	0.1000 T/YR		
		PB	0.0500 T/YR		
PLATE LUG CLEANING	430.00 BATTERY/D	PB	0.0240 T/YR	BAGHOUSE	95.00
LEAD OXIDE STG. & PLATE PASTING	430.00 BATTERY/D	PM	0.0120 T/YR	BAGHOUSE	95.00
		PB	0.0060 T/YR	BAGHOUSE	95.00
3 PROCESS OPERATION	430.00 BATTERY/D	PM	0.1600 T/YR	BAGHOUSE	95.00
		PB	0.0800 T/YR	BAGHOUSE	95.00
FORMATION	430.00 BATTERY/D	H2S*	1.8000 T/YR	NONE-FUGITIVE LOSSES	

NOTES --------
LEAD EMISSIONS ALLOWABLES BASED ON NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STORAGE BATTERY PRODUCTION/RECLAMATION — 500.00 BATTERIES/H

COMPANY NAME/SITE LOCATION: HOUSTON SCRAP METAL CO. , TX — HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14569
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — WAYNE DAVIDSON (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/15/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECYCLING, BATTERY	500.00 BATTERY/H	PB	0.5000 T/YR	WET CYCLONE WET PROCESS & SHROUDS	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: LEAD OXIDE AND PIGMENT PRODUCTION — 205.68 MMBTU/H

COMPANY NAME/SITE LOCATION: DEGUSSA CHEM CORP., THEODORE INDUSTRIAL PARK — THEODORE, AL — MOBILE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AL 072
DETERMINATION MADE BY: ALABAMA APCD (AGENCY); SUE ROBERTSON (AGENCY CONTACT PERSON); (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/07/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEAT BOILER, FUEL OIL/NAT. GAS	205.68 MMBTU/H				
		SO2	1.2000 LB/MMBTU	LOW SULFUR FUEL OIL #6 OR #2	BACT
		PM	0.1000 LB/MMBTU	NATURAL GAS & OIL	BACT
		NOX	0.4000 LB/MMBTU	BOILER DESIGN & OPERATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE LEAD OXIDE AND PIGMENT PRODUCTION 28957.00 T/YR

COMPANY NAME/SITE LOCATION POWERLAB, INC. , TX
KAUFMAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. R-7644
DETERMINATION MADE BY TEXAS ACB (AGENCY) JIM CARAWAY (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/20/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LITHARGE REACTORS	28957.00 T/YR			
		LEA*	0.7000 T/YR	
			BAGFILTER, PULSE-JET	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ORE CRUSHING AND GRINDING — 1.00 MMT/YR

COMPANY NAME/SITE LOCATION: FMC CORP. — GABBS, NV

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: NEVADA DEP (AGENCY) — DICK SERDOZ (AGENCY CONTACT PERSON) — (702)-885-4670 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/04/85
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIM. CRUSH, & PRIM. + SEC. SCR*	400.00 T/H				
		PM	0.0500 GR/DSCF	WET SCRUBBER	NSPS 95.00
SEC. & TERT. CRUSHING	289.00 T/H				
		PM	0.0500 GR/DSCF	WET SCRUBBER	NSPS 95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: ORE CRUSHING AND GRINDING

COMPANY NAME/SITE LOCATION: NATIONAL STEEL PELLET CO. — KEEWATIN, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 62-81-I-9
DETERMINATION MADE BY: MINNESOTA PCA (AGENCY); JAMES KOLAR (AGENCY CONTACT PERSON); (612)-296-7274 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/08/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PELLET CONCENTRATOR MILL LINES,*		PM	3.3000 T/YR	VENTURI ROD SCRUBBER	BACT 98.00

NOTES --------
VENTURI ROD SCRUBBERS ARE VERY EFFICIENT IN CONTROLLING MOISTURE LADEN MICRON SIZE PARTICULATE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: AIRCO CARBON — NIAGARA FALLS, NY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION II (AGENCY) — BARRY TORNICK (AGENCY CONTACT PERSON) — (212)-264-9579 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/30/82
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CARBOTTOM BAKE/REBAKE ELECTRODE*					
		CO	0.0400 LB/H		BACT
GRAPHITE KILN				THERMAL INCINERATOR	99.90
		CO			BACT
				INT. RESIST. GRAPHITIZING PROC.	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 300.00 LB/H

COMPANY NAME/SITE LOCATION: ATLAS MINERALS — MOAB, UT — GRAND COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. MAJ 110382-2T
DETERMINATION MADE BY: UTAH BAQ (AGENCY) — DON ROBINSON (AGENCY CONTACT PERSON) — (801)-533-6108 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/03/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
V205 FUSION FURNACE	300.00 LB/H				
		PM	0.0200 GR/DSCF		
				PACKED BED SCRUBBER	99.00
		SO2			
				PACKED BED SCRUBBER CARTRIDGE MIST ELIMINATOR, CAUSTIC SCRUBBING S*	99.00

NOTES --------
THIS SYSTEM WAS INSTALLED TO REDUCE OPACITY OF EMISSIONS TO BELOW 20% ON AN EXISTING SOURCE WHICH WAS IN THE 30% TO 40% OPACIT
Y RANGE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: CUYAHOGA SMELTING & PROCESSING CO., INC. — CLEVELAND, OH 44109

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-931
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) — IKRAM HABIB (AGENCY CONTACT PERSON) — (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DROSS CHARGING & WASHING	4.00 T/H				
		PM	0.0320 GR/DSCF	BAGHOUSE	
				SPECIAL DESIGNED CHARGING	98.00
		PM	0.0320 GR/DSCF		
			0.7700 LB/DT		
DRYING	2.25 T/H			BAGHOUSE	98.00
		PM	0.6800 T/YR		

NOTES --------
THE PERMANENT CHARGING HOPPER AND THE PORTABLE 2-CUBIC YARD BOXES WERE ESPECIALLY DESIGNED SO THAT THE BOX FITS OVER THE OPENI NG OF THE HOPPER PROVIDING AIR-LOCK DROSS CHARGING TO ELIMINATE THE FUGITIVE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER OH-0012

SOURCE TYPE CODE 8.22

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: DAYTON WALTHER CORP. CARROLLTON, KY CARROLL COUNTY

DETERMINATION IS BACT
PERMIT NO. C-82-24
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/26/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRE-HEATER-NG, 2 FURNACES	12.00 T/H				
		PM	20.0000 LB/H		
			36.0000 T/YR		
				FABRIC FILTER	98.00
SAND HANDLING	124.00 T/H				
		PM	6.8800 LB/H		
			12.4000 T/YR		
				FABRIC FILTER	
BARRAL BLAST	10.00 T/H				
		PM	12.7800 LB/H		
			23.0000 T/YR		
				FABRIC FILTER	98.00
RETURN SAND SYSTEM	26.30 T/H				
		PM	1.4600 LB/H		
			2.6200 T/YR		
				WET SCRUBBER	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 6000.00 T/YR

COMPANY NAME/SITE LOCATION: DOE FEED MATERIALS PRODUCTION FACILITY , OH — HAMILTON COUNTY

DETERMINATION IS
PERMIT NO. 14-652
DETERMINATION MADE BY: SOUTHWEST OHIO APCA (AGENCY) — MARK HINES (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/19/84
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR VESSELS TO MATL COOLING	1966.00 LB/H				
		UF4	20.0000 E-6 LB/H	2 CYCLONES(NOTE) SINTERED METAL FILTERS	BACT 99.9?
		HF	0.0100 LB/H	CONDENSER & SCRUBBERS (NOTE)	BACT 99.90
DRUMMING STATION	1966.00 LB/H				
		UF4	0.0002 LB/H	FABRIC FILTER, HEPA FILTER SEE NOTE	BACT 99.90

NOTES --------
PROCESS MONITORING DEVICES REQUIRE)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION FUSION INC. , TX

HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X-3715
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVIDSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/82
ESTIMATED DATE OF START-UP-- 1982
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HARD CHROME PLATING	136.00 SQF SURFACE*	CRO3	0.5000 LB/H	PACKED TOWER SCRUBBER	99.00

NOTES --------
SIC NUMBER 3471

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: LAKE SIDE SLAG — CHICAGO, IL — COOK COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. C80 05 049
DETERMINATION MADE BY: ILLINOIS EPA (AGENCY) — CHRIS ROMAINE (AGENCY CONTACT PERSON) — (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/01/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY & SECONDARY CRUSHERS & *				
HAUL ROAD		PM	SPRAY BARS, MANUAL, & AUTO CONTRL	LAER
PLANT ROADS		PM	PAVED & SWEPT WEEKLY	LAER
STOCKPILES		PM	OILED WEEKLY	LAER
		PM	DETERGENT SPRAYS	LAER

NOTES --------
LAER ESTABLISHED FOR TEMPORARY PLANT. TOTAL LIFE TWO-YEAR FROM START-UP.
PLANT NOW CLOSED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 04/04/1984

ID NUMBER IL-0016

SOURCE TYPE CODE 8.22

SOURCE TYPE/SIZE OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION LEVIN FIXTURE CORP. , TX
HIDALGO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X-4027
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUEL (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/21/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CHROME PLATING TANK		ACI*	0.0152 LB/H	SCRUBBER & DEMISTER	98.00
NICKEL PLATING TANK		ACI*		NEGLIGIBLE	
ACID CLEANING TANK		H2S*	0.8100 LB/H		
BOILER		NOX	1.8400 LB/H		
		PM	0.1200 LB/H		
		CO	0.1400 LB/H		
OVEN		PRO*		NEGLIGIBLE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 156600.00 LB/MONTH

COMPANY NAME/SITE LOCATION: SMITH INTERNATIONAL, INC. — EL DORADO VALLEY, NV — CLARK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: CLARK COUNTY (AGENCY) — MIKE NAYLOR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/24/82
ESTIMATED DATE OF START-UP-- 1983
(702)-383-1276 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ATTRITION MILLS, 6 EA	26100.00 LB/MONTH				
		HEP*	40.0000 T/YR	CHILLER & SCRUBBER SYS	BACT 95.00

NOTES --------
HEPTANE IS THE LIQUID MEDIUM USED IN THE ATTRITION MILL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 36000.00 T/YR

COMPANY NAME/SITE LOCATION: SUPERIOR GRAPHITE, P.O. BOX 535, HOPKINSVILLE, KY 42240

CHRISTIAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-79-72
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY); BILL DILLS (AGENCY CONTACT PERSON); (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/05/79
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRAPHITE FURNACE, 2	11600.00 LB/H SEE NO*	SO2	11.4000 LB/H 47.9000 T/YR	DOUBLE ALKALI SCRUBBER	BACT 98.20
		PM	5.6000 LB/H 23.4000 T/YR	MULTICLONE	BACT 98.00
MATERIAL, PRODUCT LOADING		PM	8.4400 LB/H 35.4700 T/YR	EXISTING BAGHOUSE	99.50
COKE HANDLING					
PRODUCT HANDLING		PM	5.4000 LB/H 16.8000 T/YR		

NOTE #1 - AMENDED TO 8000. LB/H COMBINED ON 3/11/81.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION TRINITY INDUSTRIES INC FORT WORTH, TX TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8524
DETERMINATION MADE BY TEXAS ACB (AGENCY) ART KELLOGG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/24/81
ESTIMATED DATE OF START-UP-- 1980
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAIL CAR SHOT BLASTING	25000.00 CF/M	PM	0.0100 GR/ACF	VENTURI SCRUB W/CYC PRECLEANER	98.00

NOTES --------
EMISSION LIMITS ARE BACT, DETERMINED BY TECHNOLOGY & ECONOMICS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: WISCONSIN CENTRIFUGAL — WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-194
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DAVE SEITZ (AGENCY CONTACT PERSON) — (608)-267-7545 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURN., 6, MELT. FURN.	650.00 LB/H EA	PM	1.3000 LB/T 0.0060 GR/DSCF	BAGHOUSE	LAER 97.00
INDUCTION FURN., 3, HOLD. FURN.	650.00 LB/H EA	PM	1.3000 LB/T 0.0060 GR/DSCF	BAGHOUSE	LAER 97.00
CASTING MACHINE	5795.00 LB/H	PM	0.0060 GR/DSCF	BAGHOUSE	LAER 97.00

NOTES --------
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAXIMUM CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42 FOR CASTING MACHINES ASSUMED 0.3 LB/TON & 97% CONTROL FROM TABLE 7.9-2 OF AP-42
MELT. FURNACES ARE WIRED IN PAIRS AND ONLY 3 CAN OPERATE AT ONE TIME.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1933

ID NUMBER WI-0031B

SOURCE TYPE CODE 8.22

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 3.00 T/H

COMPANY NAME/SITE LOCATION: WISCONSIN CENTRIFUGAL INC. — WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-66-136
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DAVE SEITZ (AGENCY CONTACT PERSON) — (608)-267-7545 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACES, 2	1.50 T/H EA				
		PM	1.3000 LB/T		AP42
				BAGHOUSE	97.00
VERTICAL CASTING MACHINES, 2	425.00 LB/H EA				
		PM	0.0020 LB/H		
				BAGHOUSE	97.00

NOTES --------
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION FACTOR OF TABLE 7.9-1. EMISSION FACTOR FOR CASTING ASSUMED = 0.3 LB/T FROM FUGITIVE EST. IN TABLE 7.9-2 OF AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 6900.00 LB/H

COMPANY NAME/SITE LOCATION: WISCONSIN CENTRIFUGAL INC. — WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-136
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DAVE SEITZ (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(608)-267-7545 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACES, 2	1.50 T/H EA	PM	1.3000 LB/T	BAGHOUSE	AP42 97.00
VERTICAL CASTING MACHINES, 2	425.00 LB/H EA	PM	0.0020 LB/H	BAGHOUSE	LAER 97.00

NOTES --------
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42. CASTING MACHINES ASSUMED 0.3 LB/T & 97% CONTROL FROM TABLE 7.9-2 OF AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: WISCONSIN CENTRIFUGAL, INC., 905 E. ST. PAUL AVE. — WAUKESHA, WI 53187

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-194
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DAVE SEITZ (AGENCY CONTACT PERSON) — (608)-267-7545 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/24/83
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STACK #58 --- SEE NOTE	4189.00 T/YR	PM	2.5700 LB/H		
			0.0060 GR/DSCF		
				BAGHOUSE	99.90
		VE	20.0000 % OPACITY		

NOTES --------
PART OF REMOD. OF FOUNDRY OPERATIONS. PLANT WITHIN PRIMARY PM NONATTAINMENT AREA, IS BEING RECLASSIFED TO SECONDARY NONATTAINMENT.
NOTE --- STACK #58 INCLUDES 3 PAIRS 650# INDUCTION FURANCES, 3 1000# HOLDING FURNACES, 2 LUNGER CASTING MACHINES, 1 HORIZONTAL CASTING MACHINE, 8 16" VERTICAL CASTING MACHINES, 1 VERTICAL CASTING MACHINE, 1 PLATE CASTING MACHINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: ALBANY
CEDAR RAPIDS MOD. — ALBANY, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MAA-03-80-23-070
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — BRIAN GALLEY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/01/80
ESTIMATED DATE OF START-UP--
(608)-266-9418 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX		PM	0.0400 GR/DSCF	BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 — INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 220.00 T/H

COMPANY NAME/SITE LOCATION: ASPHALT PRODUCTS CORP. — SOCASTEE, SC — HORRY COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. PSD-SC-030
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY); DAVID FLEMING (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/14/80
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	220.00 T/H	PM	53.0000 LB/H	BAGHOUSE	BACT 99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/02/1984

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 250.00 T/H MAX

COMPANY NAME/SITE LOCATION: BERKS PRODUCTS CORP. — READING, PA — BERKS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA16
DETERMINATION MADE BY: EPA REGION III (AGENCY); VERNON BUTLER (AGENCY CONTACT PERSON); (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/12/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	250.00 T/H				
		PM	6.0100 LB/H		BACT
			0.0400 GR/DSCF		
				BAGHOUSE	99.89

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: B.C.R. PAVING CO. — SOUTHPOINT, OH — LAWRENCE COUNTY

DETERMINATION IS
PERMIT NO. 07-106
DETERMINATION MADE BY: PORTSMOUTH LAA (AGENCY) — FRANK PHILLIPS (AGENCY CONTACT PERSON) — (614)-353-5153 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT DRUM DRYER	150.00 T/H				
		PM	0.0400 GR/DSCFM	FABRIC FILTER	NSPS 99.90
		VE	20.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/13/1984

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 347.00 T/H

COMPANY NAME/SITE LOCATION: B.R. AMON & SONS, INC. — ELKHORN, WI — JUNEAU COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-05-80-65-022
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — MIKE DEBROCK (AGENCY CONTACT PERSON) — (715)-362-7616 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/23/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX PLANT	347.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE, 504 BAGS	99.90

NOTES --------
NATURAL GAS OR #2 OIL ONLY FUELS ALLOWED UNDER PERMIT, 347 TPH MAX THROUGHPUTTESTED 09/02/80 AT .0065GR/DSCF, A RANGE OF TESTS
.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 120.00 T/H

COMPANY NAME/SITE LOCATION: E.E. MOORE PAVING, INC. — NITRO, WV — PUTMAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79WV02
DETERMINATION MADE BY: EPA REGION III (AGENCY); BOB BLASZCZAK (AGENCY CONTACT PERSON); (215)-597-8166 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/06/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOT MIX ASPHALT PLANT	120.00 T/H				
		PM	0.0320 GR/DSCF		NSPS
			5.8000 LB/H		
				BAGHOUSE	99.90

NOTES --------
EMISSION LIMIT LESS THAN 20% OPACITY
STACK TESTS PERFORMED ON PLANT 06/80. RESULTS - 0.0194 GR/SCF , 3.5 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 300.00 T/H

COMPANY NAME/SITE LOCATION: E.J. BRENEMAN INC. — SPRING TOWNSHIP, PA — BERKS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79PA08
DETERMINATION MADE BY: EPA REGION III (AGENCY) — BOB BLASZCZAK (AGENCY CONTACT PERSON) — (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/16/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	300.00 T/H	PM	0.0100 GR/DSCF 2.6000 LB/H	BAGHOUSE	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 200.00 T/H

COMPANY NAME/SITE LOCATION: FRANCIS O. DAY CO., INC. — ROCKVILLE, MD — MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78MD10
DETEPMINATION MADE BY: EPA REGION III (AGENCY); BOB BLASZCZAK (AGENCY CONTACT PERSON); (215)-597-8186 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/14/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	200.00 T/H				
		PM	0.0300 GR/DSCF		BACT
			8.7000 LB/H		
				BAGHOUSE	99.90

NOTES --------
SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 400.00 T/H

COMPANY NAME/SITE LOCATION: GENNARO ASPHALT CO.,INC — WARREN, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PTI 02-793
DETERMINATION MADE BY: OHIO EPA NED (AGENCY); TED DAVIS (AGENCY CONTACT PERSON); (216)-425-9171 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/08/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT CONCRETE PLANT	400.00 T/H	PM	0.0400 GR/DSCF	FABRIC FILTER	NSPS 99.60

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 414.00 T/H 5% H2O

COMPANY NAME/SITE LOCATION: HIGHWAY PAVERS, INC. — MILWAUKEE, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-41-039
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY); LARRY NIGHTINGALE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/06/80
ESTIMATED DATE OF START-UP--
(414)-257-4411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT					
		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
		SO2		#2 OIL - .5% S BY WT.	

NOTES --------
FUEL OIL #2 LIMITED TO .5% BY WEIGHT, 1.1 MMGAL/YEAR. STACK TESTS REQUIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: INDIANHEAD BLACKTOP INC, POPLAR AVE — CAMERON, WI 54822

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-10-KAM-82-03-072
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY); KRIS MCKINNEY (AGENCY CONTACT PERSON); (608)-267-7542 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/14/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	155.00 T/H				
		PM	5.4000 T/YR	SCRUBBER	NSPS 99.50
		SO2	110.2100 T/YR		
		NOX	5.5800 T/YR		
		VOC	27.9000 T/YR		
		CO	5.5800 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: IVERSION CONSTRUCTION CO., PLATTEVILLE WANTLAND QUARRY — PLATTEVILLE, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-22-044
DETERMINATICH MADE BY: WISCONSIN DNR (AGENCY) — BRIAN GALLEY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/12/80
ESTIMATED DATE OF START-UP--
(608)-267-9418 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT					
FUGITIVE DUST		PM	0.0400 GR/DSCF		
		PM		NR154.11(2)	

NOTES --------
TEST REQUIRED, TESTED 06/23/81 AT .023 GR/DSCF, AVERAGE OF 5 RUNS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 250.00 T/H

COMPANY NAME/SITE LOCATION: J.F. CLECKLEY & CO. — DORCHESTER, SC — DORCHESTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-SC-029
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY) — DAVID FLEMING (AGENCY CONTACT PERSON) — (803)-758-5406 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/21/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT	250.00 T/H				
		PM	42.0000 T/YR	BAGHOUSE	BACT 99.50
		SO2	110.0000 T/YR	NONE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1985 04/02/1984

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: J.H. RUDOLPH & CO., INC. — TROY, IN

DETERMINATION IS
PERMIT NO. EPA-5-A-80-13
DETERMINATION MADE BY: EPA REGION V (AGENCY) — BONIFACE THAYIL (AGENCY CONTACT PERSON) — (312)-886-6054 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/21/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH PLANT					
		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
		SO2		0.5% S FUEL, MAX	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 230.00 T/H

COMPANY NAME/SITE LOCATION KEOWN SUPPLY CO. CONROE, TX
MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 6781
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUEL (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/18/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIXER	230.00 T/H				
		PM	9.0000 LB/H		
				VENTURI SCRUBBER	98.00
		SO2	8.0000 LB/H		

NOTES --------
PLANT SUBJECT TO NSPS FOR ASPHALT CONCRETE PLANTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: KOKOSING MATERIALS, INC — MORRIS TWP., OH — KNOX COUNTY

DETERMINATION TO BACT FOR A NEW SOURCE.
PERMIT NO. 0342000022P001
DETERMINATION MADE BY: OHIO EPA CD (AGENCY) — JAY MCCOY (AGENCY CONTACT PERSON) — (614)-864-3195 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/05/82
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT CONCRETE PLANT	540000.00 LB/H				
		PM	0.0400 GR/DSCF	VENTURI SCRUBBER	NSPS
		VOC			NSPS

NOTES --------
PERMIT REQUIRES COMPLIANCE WITH NSPS AND REPORTING AS TO 1) CONSTRUCTION DATE, 2) ANTICIPATED STARTUP DATE, 3) ACTUAL STARTUP DATE, AND 4) DATE OF PERFORMANCE TESTING, TOGETHER WITH A REPORT OF THE RESULTS OF SUCH TESTING. REQUIREMENTS MET, PTO ISSUED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 130.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION: L.A. REYNOLDS — MAYSVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-053
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY); MIKE SEWELL (AGENCY CONTACT PERSON); (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/16/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY DRYER		PM	25.2000 T/YR	CYCLONE-VENTURI SCRUBBER LIMIT HR 2400.	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 495.00 T/YR

COMPANY NAME/SITE LOCATION: MATHY CONSTRUCTION CO. HIWAY 93 — TREMPEALEAN TOWNSHIP, WI

DETERMINATION IS
PERMIT NO. MIA-CWB(DLJ)-81-62-*
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DAN JOHNSTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/82
ESTIMATED DATE OF START-UP-- 1982
(605)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	495.00 T/H				
		PM	0.0400 GR/DSCF	BAGHOUSE	NSPS 99.80

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: MATHY CONSTRUCTION CO. PLANT #14 — FINLEY, WI — JUNPEAU COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MAA-03-80-42-069
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — JOE ANCEL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/81
ESTIMATED DATE OF START-UP--
(715)-423-5670 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT					
		PM	0.0400 GR/DSCF	VENTURI SCRUB, CYC SEP., DEMISTER	99.00

NOTES --------
HAVING DIFFICULTIES MEETING EMISSION LIMIT. OPERATE AT 18 FT TO 23 FT WATER GUAGE PRESSURE DROP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 40.00 T/H

COMPANY NAME/SITE LOCATION: MILLCREEK TOWNSHIP — MILLCREEK TOWNSHIP, PA, ERIE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA05
DETERMINATION MADE BY: EPA REGION III (AGENCY); BOB BLASZCZAK (AGENCY CONTACT PERSON); (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/14/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	40.00 T/H				
		PM	0.0400 GR/DSCF	WET VENTURI	BACT 99.50
		VE	20.0000 % OPACITY MAX		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 200000.00 T/YR

COMPANY NAME/SITE LOCATION: MILLER ASPHALT PRODUCTS, INC. — FINKSBURG, MD — CARROLL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79MD01
DETERMINATION MADE BY: EPA REGION III (AGENCY) — VERNON BUTLER (AGENCY CONTACT PERSON) — (215)-597-2711 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/16/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT	200100.00 T/YR				
		PM	0.0300 GR/DSCF 6.8000 LB/H	BAGHOUSE	BACT 99.60

NOTES --------
SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 366.00 T/H

COMPANY NAME/SITE LOCATION: MORGANTOWN ASPHALT CO. — MORGANTOWN, WV — MONONGALIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79WV05
DETERMINATION MADE BY: EPA REGION III (AGENCY) — VERNON BUTLER (AGENCY CONTACT PERSON) — (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/25/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH PLANT	366.00 T/H				
		PM	0.0400 GR/DSCF		BACT
			13.6300 LB/H	CYCLONE, BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 240.00 T/H

COMPANY NAME/SITE LOCATION: M.A. LAYMAN & SONS — HARRISONBURG, VA — ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA06
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) — PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PEPMIT ISSUANCE-- 07/16/79
ESTIMATED DATE OF START-UP-- 1979
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOT MIX ASPHALT PLANT	240.00 T/YR				
		PM	0.0400 GR/DSCF 7.3000 LB/H		BACT
				WET VENTURI	99.90
		SO2	2.0000 % S FUEL BY WT		BACT

NOTES --------
YEARLY OUTPUT LIMITED TO 200,000 TONS PER YEAR OF ASPHALT. VISIBLE EMISSIONS LIMITED TO LESS THAN 20% CPACITY.
PERMIT RESCINDED 3/23/81. REGISTRATION # 20038.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 400.00 T/H

COMPANY NAME/SITE LOCATION: PAYNE & DOLAN INC. , WI

FOND DU LAC COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-IRS-82-20-070
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — IMELDA STAMM (AGENCY CONTACT PERSON) — (608)-266-6876 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/07/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	400.00 T/H	PM	48.3600 T/YR	BAGHOUSE	NSPS 99.99
		SO2	90.2200 T/YR		
		CO	14.1700 T/YR		
		NOX	170.3000 T/YR		
		VOC	2.8300 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 300.00 T/H

COMPANY NAME/SITE LOCATION: PAYNE & DOLAN INC., WAUKESHA — SPRINGFIELD, WI — DANE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-20-049
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — BRIAN GALLEY (AGENCY CONTACT PERSON) — (608)-267-9418 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/12/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT					
		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
FUGITIVE DUST		PM			NOTE
		SO2	0.5000 % S BY WT IN FUEL OIL		

NOTES ---------
STACK TEST REQUIRED. FUGITIVE DUST PM EMISSIONS CONTROLLED UNDER NR154.11(2)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 300.00 T/H

COMPANY NAME/SITE LOCATION: PIONEER CONCRETE OF TEXAS, INC. — AUSTIN, TX — TRAVIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9551
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — GARY MCARTHUR (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/29/85
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT DRUM MIXER	300.00 T/H				
		PM	3.9000 T/YR		NSPS
				BAGHOUSE	99.50
		SO2	31.0000 T/YR		BACT
				ABSORPTION INTO PRODUCT	50.00
		NOX	5.0000 T/YR		NOTE
		CO	5.0000 T/YR		NOTE

NOTES --------
THESE POLLUTANTS ARE UNREGULATED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: REIN, SCHULTZ, & DAHL , WI
LAFAYETTE COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-10-DLJ-82-33-153
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DAN JOHNSTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/03/82
ESTIMATED DATE OF START-UP--
(608)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	250.00 T/H			
		PM	18.5600 T/YR	
			0.0500 T/YR ACTUAL	
			BAGHOUSE, REVERSE AIR	99.90
		PM	0.0400 GR/DSCF	
		SOX	83.1000 T/YR	
			0.8000 T/YR ACTUAL	
		VE	20.0000 % OPACITY	
		CO	41.6000 T/YR	
			0.4000 T/YR ACTUAL	
		VOC	219.0000 T/YR	
			2.0000 T/YR ACTUAL	
		NOX	39.0000 T/YR	
			0.4000 T/YR ACTUAL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 300.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION: RGK INDUSTRIES — FAYETTEVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-062
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY); MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/29/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT	300.00 T/YR	PM	36.0000 T/YR	CYCLONE + WET SCRUBBER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 400.00 T/H

COMPANY NAME/SITE LOCATION: ROCKROAD OF WISCONSIN , WI
HIGHWAY 14 & 140 ROCK COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. MIA-10-KJC-82-54-130
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — KATHY CARTWRIGHT (AGENCY CONTACT PERSON) — (608)-266-0244 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/15/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	400.00 T/H				
		PM	8.9000 T/YR		
			0.4000 GR/DSCF		
				VENTURI SCRUBBER	
		PM	20.0000 % OPACITY		
		SOX	12.6000 T/YR		
		NOX	8.4000 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 210.00 T/H

COMPANY NAME/SITE LOCATION: RODNEY RASMUSSEN CO. — SALINA, UT 84654
45 SOUTH 2ND WEST — SEVIER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VIII (AGENCY) — JOHN DALE (AGENCY CONTACT PERSON) — (303)-837-3763 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/04/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	210.00 T/H				
		PM	0.0400 GR/DSCF	VENTURI	BACT 99.70
		VE	20.0000 % OPACITY		

NOTES --------
PORTABLE ASPHALT PLANT, CONTINUOUS DRUM MIX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 325.00 T/H

COMPANY NAME/SITE LOCATION: R.C. COLLET, INC. — ROCKLIN, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. A/C-84-07
DETERMINATION MADE BY: PLACER COUNTY APCD (AGENCY) — D.W. DIXON (AGENCY CONTACT PERSON) — (916)-823-4443 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/17/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	325.00 T/H				
		PM	0.0400 GR/DSCF	BAGHOUSE	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/198*

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 150.00 T/H

COMPANY NAME/SITE LOCATION: STEELSTONE — HOULTON, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: MAINE DEP (AGENCY) — ROBERT BALLEW (AGENCY CONTACT PERSON) — (207)-289-2437 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/23/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCHING	150.00 T/H				
		PM	0.0400 GR/DSCF	BAGHOUSE	NSPS
		SO2		NO. 2 FUEL OIL	
AGGREGATE HANDLING & ROADS					
		PM		WATER SPRAY AS NEEDED	
ROADS					
		PM		PAVE / SURFACTANT / WATER	

NOTES --------
LIMITED TO ALLOWED OF 10 LB/H, 100 LB/D, 5 T/YR TO AVOID MODELING. LIMITED TO 1913 TONS ASPHALT CONCRETE PER DAY & 191326 T/YR
.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER ME-0002

SOURCE TYPE CODE 9.1

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: STEELSTONE INDUSTRIES, INC. P.O. BOX 280 HOULTON MAINE — CHARLOTTE, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2174
DETERMINATION MADE BY: MAINE DEP (AGENCY) — ROBERT BALLEW (AGENCY CONTACT PERSON) — (207)-289-2437 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/08/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, DRUM ASPHALT MIX	210.00 T/H				
		PM	0.0400 GR/DSCF		BACT
			100.0000 LB/D		
				VENTURI SCRUBBER	99.70
		VE	20.0000 % OPACITY		
		SO2			BACT
				NO. 2 FUEL	
MATL. HANDLING, AGGREGATE					
		PM			BACT
				WATER SPRAY	
PADS					
		PM			BACT
				WATER/SURFACTANT	

NOTES --------
LIMITED TO 100 LB/D, 5 T/YR TO AVOID MODELING. LIMITED TO 100 T/H, 1912 T/D, 191200 T/YR ASPHALT CONCRETE PRODUCTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 100.00 T/H

COMPANY NAME/SITE LOCATION: STORY ASPHALT-PAVING — LANETT, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. AL-076
DETERMINATION MADE BY: ALABAMA APCD (AGENCY); SUE ROBERTSON (AGENCY CONTACT PERSON); (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/10/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH 1	100.00 T/H			
		PM	0.0400 GR/DSCF MULTICYCLONE & WET SCRUBBER	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 250.00 T/H

COMPANY NAME/SITE LOCATION: SUPERIOR SAND & ASPHALT CO. — MORGANTOWN, WV — MONONGALIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78WV01
DETERMINATION MADE BY: EPA REGION III (AGENCY) — VERNON BUTLER (AGENCY CONTACT PERSON) — (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/02/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	250.00 T/H				
		PM	0.0400 GR/DSCF		BACT
			11.0000 LB/H		
				BAGHOUSE	99.70

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 158.00 T/H

COMPANY NAME/SITE LOCATION: SYKESVILLE CONSTRUCTION CO., INC. — BALTIMORE, MD — CARROLL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78MD02
DETERMINATION MADE BY: EPA REGION III (AGENCY) — ED VOLLBERG (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/03/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-8309 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT	158.00 T/H				
		PM	7.3000 LB/H		BACT
			0.0300 GR/DSCF		
				BAGHOUSE	99.97

NOTES --------
SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 300.00 T/H

COMPANY NAME/SITE LOCATION: TDPS MATERIALS INC., 3870 N. 2ND ST. — PHILADELPHIA, PA 19140

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 84002
DETERMINATION MADE BY: PHILADELPHIA AMS (AGENCY); THOMAS ELLIOTT, JR. (AGENCY CONTACT PERSON); (215)-686-7893 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/05/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT DRUM MIX PLANT	300.00 T/H				
		PM	0.0400 GR/DSCF		NSPS
				BAGHOUSE	99.80

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 400.00 T/H

COMPANY NAME/SITE LOCATION: THE HORVITZ CO., 900 CLARK AVENUE — CLEVELAND, OH 44113

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-945
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) — IKRAM HABIB (AGENCY CONTACT PERSON) — (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOT ASPHALT CONCRETE DRUM MIX W*	400.00 T/H	PM	0.0400 GR/DSCF	VENTURI SCRUBBER	BACT 85.00
HOT ASPHALT CONCRETE DRUM MIX W*	300.00 T/H	VE	20.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: TRI-STATE ASPHALT CORP. — WARREN TWP, OH — WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 06-669
DETERMINATION MADE BY: OHIO EPA SED (AGENCY) — FRED KLINGELHAFER (AGENCY CONTACT PERSON) — (614)-385-8501 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BARBER-GREENE DM-66 ASPHALT BAT*	410.00 T/H				
		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
		VOC			
		SO2		< 0.3 % S OIL BY WT.	

NOTES --------
PERMIT REQUIRES SOURCE TO REPORT ON 1) DATE OF CONSTRUCTION STARTUP, 2) DATE O. COMPLETION OF CONSTRUCTION, 3) STARTUP DATE, A ND 4) DATE OF PERFORMANCE TESTING, AND REQUIRES COMPLIANCE WITH NSPS REQUIREMENTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 185.00 T/H

COMPANY NAME/SITE LOCATION: WINDSOR SERVICES, INC. — N. LEBANON TOWNSHIP, PA, LEBANON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA06
DETERMINATION MADE BY: EPA REGION III (AGENCY); BOB BLASZCZAK (AGENCY CONTACT PERSON); (215)-597-8186 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/07/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT	185.00 T/H				
		PM	6.1300 LB/H	CYCLONE, BAGHOUSE	BACT 99.90

NOTES --------
PERMIT RESCINDED 1/14/82.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 110.00 T/H

COMPANY NAME/SITE LOCATION: ZARLENGO BROS., INC.
NORTH BEAVER TOWNSHIP — HILLSVILLE, PA
LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA25
DETERMINATION MADE BY: EPA REGION III (AGENCY); DAVID ARNOLD (AGENCY CONTACT PERSON); (215)-597-7936 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/21/80
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH PLANT	110.00 T/H				
		PM	0.0390 GR/DSCF 4.5000 LB/H	MULTICYCLONE, BAGHOUSE	BACT 99.90

NOTES --------
RELOCATION FROM EXISTING SITE
PERMIT RESCINDED 11/30/81.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 11.30 T/H

COMPANY NAME/SITE LOCATION: ACME BRICK CO. — SEALY, TX — AUSTIN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9540
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — RANDY HAMILTON (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/25/85
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TUNNEL KILN	11.30 T/H OF FIRE*	HF	4.0000 LB/H		BACT

NOTES --------
STATE REGULATION LIMITS HF TO 6.0 PPB, 25 C, AS 3-HOUR AVERAGE AMBIENT CONCE..TRATION. ECONOMICS MAKE WET SCRUBBER MARGINALLY U
NACCEPTABLE AS BACT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 250.00 T/YR

COMPANY NAME/SITE LOCATION: AMERICAN COLLOID — LOVELL, WY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. CT-540
DETERMINATION MADE BY: WYOMING AQD (AGENCY); DAN FAUTH (AGENCY CONTACT PERSON); (307)-332-3144 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/16/84
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POLYMER PROCESSING BAGHOUSE		PM	0.0200 GR/ACF	BACT
ACRYLIC ACID FUME SCRUBBERS	12000.00 ACFM	ACI*	SEE NOTE 2 PACKED COLUMN H2O SCRUBBERS IN SERIES	BACT

NOTES --------
REQUIRED TO TEST TO DETERMINE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION: D. M. STEWARD CO. — CHATTANOOGA, TN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 23-C,24-C,25-C
DETERMINATION MADE BY: CHATTANOOGA APCB (AGENCY); JAMES FRENCH (AGENCY CONTACT PERSON); (615)-867-4321 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/08/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
#1 SILO BIN VENT	19200.00 LB/H	PM	9.6000 LB/H	BAGHOUSE	BACT 99.50
#2 SILO BIN VENT	19200.00 LB/H	PM	9.6000 LB/H	BAGHOUSE	BACT 99.50
#3 SILO BIN VENT	9700.00 LB/H	PM	4.9000 LB/H	BAGHOUSE	BACT 99.50

NOTES --------
PERMIT 23-C REFERS TO #1 SILO; 24-C REFERS TO #2 SILO, AND 25-C REFERS TO #3 SILO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 01/25/1984

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 281000.00 T/YR

COMPANY NAME/SITE LOCATION: GEORGIA KAOLIN CO. — DRY BRANCH, GA

DETERMINATION IS BACT
PERMIT NO. (REGION FILE NO.) PSD-GA-073
DETERMINATION MADE BY: GEORGIA EPD (AGENCY); BILL MITCHELL (AGENCY CONTACT PERSON); (404)-656-6900 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/18/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BAUER MILLS	1.50 T/H				
		PM	0.0200 GR/DSCF	BAGHOUSE	BACT 99.00
SPRAY DRYER	34.00 T/H				
		PM	0.0200 GR/DSCF	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 130.00 T/D

COMPANY NAME/SITE LOCATION: INTERNATIONAL AMERICAN CERAMICS, INC. , OK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. T81-14
DETERMINATION MADE BY: TULSA CITY-COUNTY HEALTH DEPT (AGENCY); BILL GIBBONS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/06/81
ESTIMATED DATE OF START-UP-- 1981
(918)-744-1000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATERIALS PREP	152.00 T/D	PM	4.6000 LB/H	DRY/WET COLLECTORS	BACT 90.00
SPRAY DRYER	130.00 T/D	PM	4.6000 LB/H	DRY/WET COLLECTORS	BACT 99.00
BISQUE DRYER	130.00 T/D	PM	0.6500 LB/H	DRY/WET COLLECTORS	BACT 99.00
TILE KILNS	130.00 T/D	PM	0.6500 LB/H	DRY/WET COLLECTORS	BACT 99.00
DRYER/KILNS		NOX	40.8000 T/YR		

NOTES --------
CONTROL EFFICIENCIES BASED ON SIMILAR EQUIPMENT TESTING AT A SIMILAR FACILITY (OUT OF COUNTY). MINUTE QUANTITIES OF FLUORIDES, BERYLIUM, ESTIMATED WITH CONTROL EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 50.00 T/H

COMPANY NAME/SITE LOCATION: JOHNS BRICK & TILE CORP. , TX — WILSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9042
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — ROBERT MAUEL (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/21/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TUNNEL KILN STACK	23.34 MMBTU/H				
		PM	0.5000 LB/H	NAT GAS/#2 FUEL OIL(<0.1% S) FIRED	
		VOC	0.2000 LB/H		
		NOX	6.0000 LB/H		
		SO2	3.0000 LB/H		
		CO	1.0000 LB/H		
GRINDING SYSTEM	50.00 T/H				
		PM	2.5000 LB/H	BAGHOUSE, VENTURI JET CLEANING	99.70

NOTES --------
CLAY WAS ANALYZED FOR FLUORIDES. NONE DETECTED WITH 0.015% LIMIT OF DETECTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION: KAISER REFRACTORIES NATIVIDAD FACILITY , CA
MONTEREY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NCC 80-01
DETERMINATION MADE BY: EPA REGION IX (AGENCY); BOB BAKER (AGENCY CONTACT PERSON); (415)-974-8220 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/30/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DOLORNILE KILN #1	75.00 T/D				
		NOX	79.7000 LB/H	STANDARD PETROL COKE BURN.	
		SO2	41.9000 LB/H	BAGHOUSE SO2 ASORB. BY CALCINED DOLANITE	
DOLORNILE KILN #2	75.00 T/D				
		NOX	79.7000 LB/H	STD PETROL COKE BURNERS	
		SO2	41.9000 LB/H	BAGHOUSE SO2 ASORB. BY CALCINED DOLANITE	
DOLORNILE KILN #3	110.00 T/D				
		NOX	192.0000 LB/H	STD PETROL COKE BURNERS	
		SO2	61.1000 LB/H	BAGHOUSE SO2 ASORB. BY CALCINED DOLANITE	

NOTES --------
BACT DETERMINATION: SO2 - ECONOMICS & TECHNOLOGY. NOX - TECHNOLOGY. KILN MODIFICATIONS: TO BURN COKE, OIL, AND/OR NAT. GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION: MILCHEM — GLENWOOD, AR — MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-AR-144
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — JOHN BUNYAK (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/07/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY DRYER		PM	4.2000 LB/H	BAGHOUSE	BACT 90.00
HANDLING/STORAGE		PM	1.0000 LB/H	BAGHOUSE	BACT 90.00
RAILCAR LOADOUT		PM	1.0000 LB/H	BAGHOUSE	BACT 90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1933

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: REFRACTORIES

COMPANY NAME/SITE LOCATION: JOHN MANSVILLE SALES CORP — NACOGDOCHES, TX — NACOGDOCHES COUNTY

DETERMINATION IS BACT
PERMIT NO. PSD-TX-263
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — JOHN BUNYAK (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/22/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FIBER PROD. UNIT		PM	3.5300 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
FIBER PROD. UNIT		PM	2.1000 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
FIBER PROD. UNIT		PM	3.1000 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
BOILER, 2	3.10 MMBTU/H EA	PM	2.3500 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
SILICA STORAGE SILO	400.00 MLB	PM	0.0600 LB/H	NAT GAS FUEL/#2 OIL STANDBY	
MATL STORAGE, AL STORAGE SILO	300.00 MLB	PM	0.0100 LB/H	BAGFILTER	98.00
DOLOMITE LIME STORAGE	200.00 MLB	PM	0.0100 LB/H	BAGFILTER	98.00
		PM		BAGFILTER	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) JOHN MANSVILLE SALES CORP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE STORAGE SILOS, 2	200.00 MLB EA	PM	BAGFILTER	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE REFRACTORIES

COMPANY NAME/SITE LOCATION KAISER REFACTORIES MOSS LANDING, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NCC 80-02
DETERMINATION MADE BY EPA REGION IX (AGENCY) BOB BAKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/30/81
ESTIMATED DATE OF START-UP--
(415)-974-8220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILNS, #1,2,3	165.00 T/D				
		NOX	515.0000 LB/H TOTAL	STD PETROL. COKE BURN.	

NOTES --------
MODIFICATION OF MAGNESIA KILNS #1,2,3 SO THEY CAN FIRE PETROLEUM COKE, OIL, AND/OR NAT. GAS. BACT IS DETERMINED BY TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

ID NUMBER CA-0026

SOURCE TYPE CODE 9.3

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 160.00 T/H

COMPANY NAME/SITE LOCATION: ALAMO CEMENT CO. , TX — BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9076
DETERMINATION MADE BY: TEXAS ACB (AGENCY); ROBERT MAUELL (AGENCY CONTACT PERSON); (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/13/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL, DRAFT VENT, 2 EA	80.00 T/H	PM	14.5000 T/YR	BAGHOUSE	BACT 99.70
COOLER & AIR SLIDE, 2 EA		PM	2.6000 T/YR	BAGHOUSE	BACT 99.70
SILO, CLINKER, 2 EA		PM	4.8000 T/YR	BAGHOUSE	BACT 99.70
SILO, GYPSUM, 2 EA		PM	2.6000 T/YR	BAGHOUSE	BACT 99.70
SILO, CEMENT, 6 EA	7600.00 T/H	PM	1.3000 T/YR	BAGHOUSE	BACT 99.70
SILO, CEMENT WITHDRAWAL, 6 EA		PM	5.3000 T/YR	BAGHOUSE	BACT 99.70
MATERIAL HANDLING, RAILCAR LOAD*		PM	5.3000 T/YR	BAGHOUSE	BACT 99.70

NOTES --------
PERMIT IS FOR NEW FINISH MILL AT EXISTING FACILITY. SOURCE SIZE IS FOR THE FINISH MILL, NOT THE ENTIRE FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION: CALIF. PORTLAND CEMENT CO — MOJAVE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SJ-78-73
DETERMINATION MADE BY: EPA REGION IX (AGENCY) — DON HARVEY (AGENCY CONTACT PERSON) — (415)-974-8223 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/12/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRECALCINER - KILN	1.00 MMT/YR CEME*				
		PM	36.0000 LB/H		BACT
				BAGHOUSE	99.90
		SO2	616.0000 LB/H		BACT
				ABSORPTION BY ALKALI	70.00
		NOX		NONE	
				REDUCED FUEL USAGE, LOW FURNACE TEMP.	
CLINKER COOLER					
		PM	21.0000 LB/H		BACT
				BAGHOUSE	99.60
PRIMARY CRUSHER					
		PM	5.0000 LB/H		BACT
				BAGHOUSE	99.50
SAMPLE SYS, SURGE SILO					
		PM			
				BAGHOUSE	99.50
SAMPLE SYS, SURGE SILO RECLAIM					
		PM			
				BAGHOUSE	99.50
CONVEYORS & TRANSFER					
		PM			
				BAGHOUSE	99.50
MILLS & SCREENS					
		PM			
				BAGHOUSE	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PULVERIZER				
		PM		
			BAGHOUSE	99.50
TRUCK DUMP HOPPER, ADDITIVES SYS		PM		
			WATER SPRAY	90.00
DUMP HOPPER RECLAIM, ADDITIVES *		PM		
			BAGHOUSE	99.50
CONVEYOR & TRANSFER, ADDITIVES *		PM		
			BAGHOUSE	99.50
STORAGE BUILDING, ADDITIVES SYS		PM		
			BAGHOUSE	99.50
RECLAIM CONVEYORS, ADDITIVES SYS		PM		
			BAGHOUSE	99.50
STORAGE BLDG & STACKER, LIMESTO*		PM		
			BAGHOUSE	99.50
RECLAIM & CONVEYORS, LIMESTONE *		PM		
			BAGHOUSE	99.50
SILOS, ROLLER MILL		PM		
			BAGHOUSE	99.50
SILOS RECLAIM, ROLLER MILL		PM		
			BAGHOUSE	99.50
ROLLER MILL & FEED, ROLLER MILL		PM		
			WATER SPRAY	90.00
PROD. CONVEYOR, ROLLER MILL		PM		
			BAGHOUSE	99.50
HOMOGEN. & KILN, ROLLER MILL HOMOGEN. SILOS, FEED SYS		PM		
			BAGHOUSE	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOMOGEN. SILOS RECLAIM				
		PM		
KILN FEED			BAGHOUSE	99.50
		PM		
COAL MILL FOR PREHEATER			BAGHOUSE	99.50
		PM		
COAL MILL FOR KILN			CYCLONE & BAGHOUSE	99.50
		PM		
CONVEYORS, CLINKER COOLER			CYCLONE & BAGHOUSE	99.50
		PM		
CLINKER TRANSFER			BAGHOUSE	99.50
		PM		
			BAGHOUSE	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER CA-0011

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

SOURCE TYPE CODE 9.4

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 1.10 MMT/YR

COMPANY NAME/SITE LOCATION: CREOLE CORP. NEAR PLASTER CITY , CA IMPERIAL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) SE-78-09
DETERMINATION MADE BY: EPA REGION IX (AGENCY) — DON HARVEY (AGENCY CONTACT PERSON) — (415)-974-8223 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/20/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PREHEATER/KILN MILL (2)	500000.00 T/YR CEMENT*	PM	23.7000 LB/H 0.0180 GR/DSCF EA BAGHOUSE	99.90
		SO2	78.3000 LB/H 46.0000 PPM AT 10% O2 ABSORPTION OF SULFUR OXIDES BY ALKALI LOW SULFUR COAL	85.00
		SO2	266.0000 LB/H 156.0000 PPM AT 10%O2 INCREASED CONTACT BETWEEN ALKALI AND SULFUR BE*	
		NOX	213.0000 LB/H 175.0000 PPM AT 10%O2 REDUCED TEMPERATURE IN PRECALCINING FURNACE HIGH FUEL EFFICIENCY	
CLINKER COOLER		PM	10.2000 LB/H 0.0130 GR/DSCF EA	
OTHER PM POINT SOURCES		PM	0.0150 GR/ACFM BAGHOUSES	
INPLANT ROADS		PM	PAVING AND SWEEPING	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

(CONTINUED) CREOLE CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
QUARRY HAUL ROADS					
		PM	10.0000	% OPACITY APPLY EMULSIFIED ASPHALT	
RAW MATL. & COAL STOCKPILES					
		PM		WETDUST SUPPRESSANT	
RAW MATL. HANDLING & CONVEYING					
		PM	10.0000	% OPACITY COVERING OR ENCLOSING	

NOTES --------
SO2 LIMIT FOR FIRING SECONDARY COAL TO BE REVISED AFTER REVIEWING CONTINUOUS MONITORING DATA AND AFTER DAILY RAW MATERIAL ANALYSES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 2900.00 T/D

COMPANY NAME/SITE LOCATION: DAL-TEX CEMENT — MIDLOTHIAN, TX — ELLIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-8996
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — GARY MCARTHUR (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/03/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN	2900.00 T/D				
		PM	0.3000 LB/T FEED	BAGHOUSE	NSPS 99.00
		SO2			
		NOX			
COAL HANDLING	21.00 T/H				
		FUG*		SEE VE LIMIT	
		VE	20.0000 % OPACITY	BAGHOUSE-UNLOAD,GRINDING,FEED BIN	NSPS 99.00
FINISH MILLS	2900.00 T/D				
		PM	78.0000 T/YR	BAGHOUSE	99.00

NOTES --------
NO EMISSION POINT FOR CLINKER COOLER. PART OF EXHAUST IS RECIRCULATED TO THE CLINKER COOLER THROUGH A HEAT EXCHANGER AND THE R
EMAINDER IS USED AS COMBUSTION AIR FOR THE KILN /PREHEATER/PRECALCINER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION: DIXIE CEMENT CO. RICHARD CITY, TN MARION COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: TENNESSEE APCD (AGENCY) ANN NIELSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/10/81
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	330000.00 LB/H				
		PM	0.3000 LB/T KILN FEED		
			33.0900 LB/H		
				FABRIC FILTER	99.90
		SO2	4.1600 LB/H		
				LIMESTONE INJECTION	85.00
		NOX	110.0000 LB/H		BACT
				DRY PROCESS/COAL FIRED	
CLINKER COOLER	198413.00 LB/H				
		PM	15.8700 LB/H		BACT
				FABRIC FILTER	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER TN-0006

SOURCE TYPE CODE 9.4

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 600000.00 T/YR

COMPANY NAME/SITE LOCATION: FLORIDA CRUSHED STONE — BROOKSVILLE, FL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. FL-091
DETERMINATION MADE BY: FLORIDA DER (AGENCY); BOB KING (AGENCY CONTACT PERSON); (904)-488-1344 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/27/84
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	124.00 T/H			
		PM	0.3000 LB/T DRY FEED BAGHOUSE, SEE NOTE	99.00
		SO2	0.6000 LB/T DRY FEED 0.8% S COAL	
		NOX	2.9000 LB/T DRY FEED DESIGN	
COOLER, CLINKER	75.00 T/H			
		PM	0.1000 LB/T KILN FEED BAGHOUSE, SEE NOTE	99.00
KILN, COOLER		VE	10.0000 % OPACITY, MAX BAGHOUSE, SEE NOTE	99.00
DRYER, RAWMILL		VE	10.0000 % OPACITY, MAX BAGHOUSE, SEE NOTE	99.00
PLANT, ALL OTHER EMISSION POINTS		VE	5.0000 % OPACITY, MAX BAGHOUSE	99.00

NOTES --------
NSPS SUBPART F APPLICABLE. SO2 EMISSIONS LIMITED TO PROTECT CHASSAHOWITZKA NATIONAL WILDERNESS CLASS I AREA AND TO ALLOW FUTURE INDUSTRIAL GROWTH. NOTE -- ONE LARGE BAGHOUSE THROUGH WHICH A 362 MW BOILER ALSO EXHAUSTS.
PROJECT DELAYED TO LATE 1985 DUE TO LITIGATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 12/28/1984

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 362.00 MW

COMPANY NAME/SITE LOCATION: FLORIDA CRUSHED STONE — BROOKSVILLE, FL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. FL-090
DETERMINATION MADE BY: FLORIDA DER (AGENCY); BOB KING (AGENCY CONTACT PERSON); (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/27/84
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FURNACE	1234.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	BAGHOUSE, SEE NOTE	99.00
		NOX	0.7000 LB/MMBTU	DESIGN	
		SO2	0.9000 LB/MMBTU		
			915.0000 LB/H MAX	LCW S COAL/LIME INJECTION	25.00
		VE	20.0000 % OPACITY MAX	BAGHOUSE	
COAL STORAGE, BIN	50.00 T/H				
		VE	5.0000 % OPACITY MAX	BAGHOUSE	99.00
COAL HANDLING	50.00 T/H				
		VE	10.0000 % OPACITY MAX	WATER SPRAYS	

NOTES --------
BOILER CONSTRUCTED PRIOR TO 7/17/71 THEREFORE NSPS SUBPART D IS NOT APPLICABLE. POWER HOUSE ELECTRICAL PRODUCTION IS 125 MW. SO2 EMISSIONS LIMITED TO PROTECT CHASSAHOWITZKA NATIONAL WILDERNESS CLASS I AREA AND TO ALLOW FUTURE GROWTH. NOTE - BAGHOUSE ALSO CONTROLS EMISSIONS FROM CEMENT PLANT KILN, COOLER, & DRYER. PROJECT DELAYED TO LATE 1985 DUE TO LITIGATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 12/28/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 108.00 T/H

COMPANY NAME/SITE LOCATION: FLORIDA MINING & MATERIALS CORP. P.O. BOX 6 — BROOKSVILLE, FL 33512 — HERNANDO COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-063
DETERMINATION MADE BY: FLORIDA DER (AGENCY) — JOHN SVEC (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/25/81
ESTIMATED DATE OF START-UP-- 1983
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, ROTARY, #2	108.00 T/H				
		PM	0.2000 LB/T FEED	BAGHOUSE	BACT 99.90
CLINKER COOLER					
		PM	0.0660 LB/T KILN FEED	BAGHOUSE	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 01/25/1984

ID NUMBER FL-0024

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 100000.00 T/YR

COMPANY NAME/SITE LOCATION: IDEAL BASIC CEMENT — SALINA, UT — SEVERE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MIN 042582-.INT
DETERMINATION MADE BY: UTAH DOH (AGENCY) — CARL BROADHEAD (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/28/82
ESTIMATED DATE OF START-UP-- 1983
(801)-533-6108 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT BINS	100000.00 T/YR				
		PM	0.0150 GR/DSCF	BAGHOUSE	99.00
		VE	20.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 1.60 MMT/YR

COMPANY NAME/SITE LOCATION: KAISER CEMENT & GYPSUM CORP. — PERMANENTE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SFB-78-03
DETERMINATION MADE BY: EPA REGION IX (AGENCY) — DON HARVEY (AGENCY CONTACT PERSON) — (415)-974-8223 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/26/78
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN-MILL, #1 & 2	5000.00 T/D				
		PM	18.0000 LB/H 0.0200 GR/DSCF	BAGHOUSE	
		SO2	481.0000 LB/H 185.0000 PPM	ALKALI ABSORPTION, PREHEATER, AND BAGHOUSES 1.0% S COAL (ANNUAL AVERAGE) 2.0% S (TRAINLOAD)	99.00 BACT
		NOX	1158.0000 LB/H	REDUCED FUEL USAGE & LOW TEMPERATURE	BACT
CLINKER COOLER		PM	5.3000 LB/H 0.0100 GR/DSCF	BAGHOUSE	
PRECALCINER COAL SYS		PM	3.5000 LB/H 0.0200 GR/DSCF	BAGHOUSE	
KILN COAL SYS		PM	3.5000 LB/H 0.0200 GR/DSCF		

NOTES --------
MODIFY EXISTING WET PROCESS FACILITY TO DRY USING SUSPENSION PREHEATERS & PRECALCINERS. SO2 AND NOX LIMITS SUBJECT TO REVISION UPON COMPLETION OF EMISSION TESTING -- LACK OF EMISSIONS DATA FROM PROCESS.
FUGITIVE DUST SOURCES TO BE CONTOLLED BY APPROPRIATE MEANS (COVERING, SUPPRESSION ANT STABILIZATION SYSTEMS) SUCH THAT THERE ARE NO VISIBLE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 6000.00 T/D

COMPANY NAME/SITE LOCATION: LAS VEGAS PORTLAND CEMENT — JEAN, NV

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NSR-4-7-1 NV-81-01
DETERMINATION MADE BY: EPA REGION IX (AGENCY); BOB BAKER (AGENCY CONTACT PERSON); (415)-974-8215 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/01/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, 2	125.00 T/H EA				
		SO2	260.0000 LB/H 2H AV		BACT
			72.0000 PPM 2H AV		
				COAL LIMITED TO 0.9% S	80.00
		SO2	150.0000 LB/H 30D AV		BACT
			44.0000 PPM 30D AV		
				COAL LIMITED TO 0.9% S	80.00
		NOX	281.0000 LB/H		BACT
			115.0000 PPM		
		CO	30.0000 LB/H		BACT
		PM	98.0000 LB/H		BACT
			0.0125 GR/DSCF		
				ESP	99.90
		VE	10.0000 % OPACITY		BACT
				ESP	99.90
		BE	0.0290 LB/D		BACT
CLINKER COOLER, 2	125.00 T/H EA				
		PM	40.0000 LB/H		BACT
			0.0085 GR/DSCF		
				BAGHOUSE & MULTICYCLONE	99.90
		VE	10.0000 % OPACITY		BACT
				BAGHOUSE & MULTICYCLONE	99.90

NOTES --------
THIS FACILITY WAS NEVER BUILT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 02/13/1984

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 2000.00 T/D

COMPANY NAME/SITE LOCATION: LONESTAR FLORIDA PENNSUCO, INC.
11000 N.W. 121 ST.
HIALEAH, FL 33012
DADE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-FL-028
DETERMINATION MADE BY: FLORIDA DER (AGENCY) — WILLARD HANKS (AGENCY CONTACT PERSON) — (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/19/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN	148.00 T/H				
		PM	28.7000 LB/H	ESP	NSPS 99.00
CLINKER COOLER	148.00 T/H				
		PM	14.3000 LB/H	BAGHOUSES	NSPS 99.90

NOTES --------
SOURCE CONSTRUCTION 40% COMPLETED WHEN PROJECT STOPPED. A NEW PSD PERMIT WILL BE REQUIRED BEFORE CONSTRUCTION WILL BE RESUMED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 137.00 T/H

COMPANY NAME/SITE LOCATION: LONESTAR FLORIDA PENNSUCO, INC.
P.O. BOX 122035
HIALEAH, FL 33012
DADE COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-050
DETERMINATION MADE BY: FLORIDA DER (AGENCY); WILLARD HANKS (AGENCY CONTACT PERSON); (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/08/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL HANDLING, PULVERIZERS	38.00 T/H	PM	0.0100 GR/DSCF	BAGHOUSE	99.90

NOTES --------
INSTALLATION OF COAL HANDLING FACILITIES FOR GAS TO COAL FUEL CONVERSION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION: LONESTAR FLORIDA PENNSUCO, INC. HIALEAH, FL
DADE COUNTY

DETERMINATION IS
PERMIT NO. PSD-FL-050
DETERMINATION MADE BY: FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/28/84
ESTIMATED DATE OF START-UP-- 1986
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN #1	25.00 T/H CLINKER	SO2	5.0000 LB/T CLINKER PROD.	COAL S CONTENT < 1.75% MONTHLY AVG & < 2% MAX	
KILN #2	25.00 T/H CLINKER	SO2	5.0000 LB/T CLINKER PROD.	COAL S CONTENT < 1.75% MONTHLY AVG & < 2% MAX	
KILN #3	87.50 T/H CLINKER	SO2	4.6000 LB/T CLINKER PROD.	COAL S CONTENT < 1.75% MONTHLY AVG & < 2% MAX	

NOTES --------
ONLY 2 KILNS CAN BE FIRED WITH COAL AT THE SAME TIME TO PROTECT THE DADE COUNTY AAQS. IF SO2 LIMIT CANNOT BE MET WITH 1.75% SULFUR COAL THEN A LOWER SULFUR COAL MUST BE FIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 1.00 MMT/YR

COMPANY NAME/SITE LOCATION: LONESTAR INDUSTRIES INC. — GEORGETOWN, TX — WILLIANSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-174
DETERMINATION MADE BY: EPA REGION VI (AGENCY); BILL TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/19/80
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN MILL & ALKALI BYPASS	1.00 MMT/YR				
		PM	30.6000 LB/H	BAGHOUSE	99.90
		SO2	960.0000 LB/H	PRECALCINER PROCESS DESIGN	80.00
		NOX	360.0000 LB/H	PRECALCINER PROCESS DESIGN.	
TRUCK AND RAIL UNLOAD		PM	0.5000 LB/H	BAGHOUSE	99.90
COAL RECLAIM TRANSFER		PM	0.3000 LB/H	BAGHOUSE	99.90
LIMESTONE STORAGE		PM	2.6000 LB/H	BAGHOUSE	99.00
LIMESTONE RECEIVING		PM	0.2000 LB/H	BAGHOUSE	99.90
LIMESTONE RECLAIM TRANSFER		PM	0.3000 LB/H	BAGHOUSE	99.90
ROLLER MILL SURGE BIN		PM	0.3000 LB/H	BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) LONESTAR INDUSTRIES INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW STORAGE FEED BELT		PM	0.6000 LB/H	BAGHOUSE	99.90
ADDITIVE RECLAIM TRANSFER		PM	0.3000 LB/H	BAGHOUSE	99.90
ADDITIVE BIN		PM	0.5000 LB/H	BAGHOUSE	99.90
LIMESTONE BIN		PM	0.5000 LB/H	BAGHOUSE	99.80
FEED ELEVATOR LOAD		PM	0.3000 LB/H	BAGHOUSE	99.90
FEED ELEVATOR DISCHARGE		PM	0.3000 LB/H	BAGHOUSE	99.90
HOMOGENIZING SILO		PM	1.3000 LB/H	BAGHOUSE	99.90
HOMOGENIZING SILO DISCHARGE ELE*		PM	0.2000 LB/H	BAGHOUSE	99.90
ADDITIVE RECLAIM TRANSFER		PM	0.5000 LB/H	BAGHOUSE	99.90
COAL MILL FEEDER - CALCINER		PM	0.3000 LB/H	BAGHOUSE	99.90
COAL MILL FEEDER - KILN		PM	0.3000 LB/H	BAGHOUSE	99.60
WASTE DUCT BIN		PM	0.1000 LB/H	BAGHOUSE	99.80
CLINKER COOLER DISCHARGE		PM	0.3000 LB/H	BAGHOUSE	99.90
CLINKER COOLER					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(CONTINUED) LONESTAR INDUSTRIES INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
CLINKER SCREENING		PM	22.0000 LB/H	BAGHOUSE	99.90
CLINKER BINS		PM	0.8000 LB/H	BAGHOUSE	99.90
FINISH MILL 1 & 2		PM	0.1000 LB/H	BAGHOUSE	99.90
AIR SEPERATORS, 2		PM	2.6000 LB/H EA	BAGHOUSE	99.90
FRINGE BIN		PM	3.9000 LB/H EA	BAGHOUSE	99.90
CLINKER RECLAIM		PM	0.3000 LB/H	BAGHOUSE	99.90
RAIL LOAD		PM	0.9000 LB/H	BAGHOUSE	99.90
CEMENT STORAGE SILO, 2		PM	0.7000 LB/H	BAGHOUSE	99.90
		PM	0.9000 LB/H EA	BAGHOUSE	99.30

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 750000.00 T/YR

COMPANY NAME/SITE LOCATION: LONESTAR INDUSTRIES INC. — CONCRETE, WA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X82-03
DETERMINATION MADE BY: EPA REGION X (AGENCY); PAUL BOYS (AGENCY CONTACT PERSON); (206)-442-1106 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/25/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN AND MILL	2.91 MMBTU/T CLI*				
		PM	0.0100 GR/ACF		
			20.8000 LB/H		
				BAGHOUSE, FIBERGLASS BAGS	99.90
		SO2	275.0000 LB/H		
			1205.0000 T/YR		
				MINIMIZED BY PROCESS DESIGN	
		NOX	300.0000 LB/H		
			1314.0000 T/YR		
				MINIMIZED BY PROCESS DESIGN	
CLINKER COOLER					
		PM	0.0100 GR/ACF		
			16.1000 LB/H		
				BAGHOUSE, NOMEX BAGS	
MATERIALS HANDLING EQUIP., 37 U*					
		PM	0.0100 GR/ACF		
			5.0000 % OPACITY		
				BAGHOUSE	
QUARRY, STACKER-RECLAIMER, COAL*					
		PM	10.0000 % OPACITY		
				WET SUPPRESION	

NOTES --------
BACT FOR PARTICULATE WAS BASED ON EXPECTED PERFORMANCE OF BAGHOUSES. IF THE KILN EMISSION LIMITATION IS EXPRESSED IN THE UNITS OF THE NSPS IT IS CONSIDERABLY SMALLER DUE TO PROCESS DESIGN AND BAGHOUSE PERFORMANCE.
THE PRECALCINER DESIGN IS EXPECTED TO RESULT IN LOWER SO2 AND NOX EMISSIONS THAN THE CONVENTIONAL WET OR DRY PROCESS CEMENT PLANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 1.70 MT/D

COMPANY NAME/SITE LOCATION: LONESTAR PORTLAND CEMENT, NEAR GRANTSVILLE, UT — TOOLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VIII (AGENCY); JOHN DALE (AGENCY CONTACT PERSON); (303)-837-3763 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/16/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ADD. RECLAIM					
AIR SEPARATOR		PM	0.5100 LB/H	FF	BACT 99.90
ALKALI BYPASS		PM	3.8600 LB/H	FF	BACT 99.90
CEM SILO BUCKET		PM	3.0000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		
CEM SILO LDOUT		PM	0.6900 LB/H	FF	BACT 99.90
CLK COOL ELEV		PM	2.1400 LB/H	FF	BACT 99.90
CLK COOLER		PM	0.3300 LB/H	FF	BACT 99.90
CLK RECL		PM	11.1000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
COAL CRUSHER	61.90 MT/YR	PM	0.5800 LB/H	FF	BACT 99.90
COAL MILL	61.90 MT/YR	PM	0.5900 LB/H	FF	BACT 99.90
		VE	10.0000 % OPACITY		
COAL MILL SURGE		PM	1.7100 LB/H	FF	BACT 99.90
		VE	10.0000 % OPACITY		
FINISH MILL		PM	0.3400 LB/H	FF	BACT 99.90
FRINGE BIN		PM	2.5700 LB/H	FF	BACT 99.90
GYP BIN LDOUT		PM	0.2600 LB/H	FF	BACT 99.90
HI-LIME LDOUT		PM	0.4300 LB/H	FF	BACT 99.90
KILN GASES	1.70 MT/D	PM	0.2100 LB/H	FF	BACT 99.90
		NOX	1.6000 LB/T FEED 236.6000 LB/H	KILN	BACT
		SO2	0.6000 LB/T FEED 64.5000 LB/H	KILN	BACT 85.00
LIMESTONE RECL		PM	0.5100 LB/H	FF	BACT 99.90
RAW MILL		PM	12.0000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PREHEAT BUCKET					
PRIME CRUSHER		PM	0.1700 LB/H	FF	BACT 99.90
RAW MATL BIN		PM	2.1500 LB/H	FF	BACT 99.90
RAW MATL BIN		PM	0.2600 LB/H	FF	BACT 99.90
RAW MATL RECL.		PM	0.1700 LB/H	FF	BACT 99.90
RAWML SURGE BIN		PM	0.5100 LB/H	FF	BACT 99.90
SECOND CRUSHER		PM	0.5100 LB/H	FF	BACT 99.90
SILO 2 EA		PM	1.0300 LB/H	FF	BACT 99.90
SILO ELEVATOR		PM	0.5100 LB/H EA	FF	BACT 99.90
SILO RELCAIM		PM	0.2100 LB/H	FF	BACT 99.90
SILO TYPE II		PM	0.2100 LB/H	FF	BACT 99.90
SILO TYPE V		PM	0.8600 LB/H	FF	BACT 99.90
SILO-CLK-1		PM	0.3500 LB/H	FF	BACT 99.90
SILO-CLK-2		PM	0.2600 LB/H	FF	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
TRANS CONVEY.		PM	0.2600 LB/H	FF	BACT 99.90
TRANS TOWER		PM	1.0300 LB/H	FF	BACT 99.90
WASTE BIN		PM	0.5100 LB/H	FF	BACT 99.90
		PM	0.2600 LB/H	FF	BACT 99.90

NOTES --------
KILN OPERATION IS NOT TO EXCEED 300 D/YR. KILN EXHAUST GASES ARE EMITTED FROM BOTH THE MILL AND THE BYPASS STACKS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 5.00 MT/YR

COMPANY NAME/SITE LOCATION: MONOLITH PORTLAND CEMENT CO. — MONOLITH, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SE 78-11
DETERMINATION MADE BY: EPA REGION IX (AGENCY); DON HARVEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/23/81
ESTIMATED DATE OF START-UP--
(415)-974-8223 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN	500000.00 T/YR				
		NOX	260.0000 LB/H	COAL FIRED, WET PROCESS	BACT
		SO2	300.0000 LB/H	BAGHOUSE ALKALINE CEMENT DUST	BACT 90.00
		PM	21.4000 LB/H 0.0250 GR/DSCF	BAGHOUSE	NSPS
		BE	21.4000 LB/H 0.0200 GR/DSCF	BAGHOUSE	99.80 NSPS
KILN DUST RECYCLE		PM		BAGHOUSE	99.80
CLINKER COOLER	500000.00 T/YR			NONE	
		PM	12.9000 LB/H 0.0120 GR/DSCF	BAGHOUSE REINJECTION INTO KILN	NSPS

NOTES --------
CONSTRUCTION OF A ROT. CEMENT KILN, CLINKER COOLER, AND COAL MILL. ONLY LOW SULFUR FUEL (1.5% BY WT.) MAY BE USED IN KILN. QUARTERLY BERYLLIUM MONITORING IS REQUIRED. BACT DETERMINATION: 1) TECHNOLOGY & ECONOMICS, 2) TECHNOLOGY, 3) TECH. AND NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 42.00 T/H

COMPANY NAME/SITE LOCATION: NEVADA CEMENT CO. — FERNLEY, NV

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: NEVADA DEP (AGENCY); DICK SERDOZ (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/05/85
ESTIMATED DATE OF START-UP--
(702)-885-4670 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	67.00 T/H				
		PM	0.0800 LB/T	BAGHOUSE	LAER 99.90
		SO2	0.3800 LB/T	MULTI-STAGE SUSP PREHEATER	BACT 90.00
RAW MILL FEED	175.00 T/H				
		PM	0.0960 LB/T	BAGHOUSE	LAER 99.90
CEMENT SILOS	125.00 T/H				
		PM	2.0000 EE-3 LB/T	BAGHOUSE	LAER 99.90
BLENDING SILOS	175.00 T/H				
		PM	2.0000 EE-4 LB/T	BAGHOUSE	LAER 99.90
KILN FEED TANK	67.00 T/H				
		PM	0.0800 LB/T	BAGHOUSE	LAER 99.90
CLINKER COOLER	42.00 T/H				
		PM	0.0800 LB/T	BAGHOUSE	LAER 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 775.00 T/D

COMPANY NAME/SITE LOCATION: SOUTHWESTERN PORTLAND CEMENT CO. — AMARILLO, TX — POTTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-351
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — BILL TAYLOR (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/26/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN, COAL FIRED	213.00 MMBTU/H	SO2	2.4100 LB/MMBTU	ALKALI IN RAW MATL. REACT W/SUL.	BACT 20.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 4000.00 T/D

COMPANY NAME/SITE LOCATION: SOUTHWESTERN PORTLAND CEMENT CO. — LEA ODESSA, TX — ECTOR COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-352M-1
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — JOHN BENHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/05/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN 1, COAL FIRED	187.50 MMBTU/H				
		SO2	1.1180 LB/MMBTU	NONE	BACT
		PM		UNKNOWN	
		NOX		UNKNOWN	
KILN 2, COAL FIRED	165.00 MMBTU/H				
		SO2	0.5240 LB/MMBTU	MODERAT. S COAL/PARTIAL SCRUB.	BACT
		PM		UNKNOWN	
		NOX		UNKNOWN	
KILN 3, COAL FIRED	275.00 MMBTU/H				
		PM	0.3000 LB/T D FEED	2 BAGHOUSES	NSPS 99.00
		SO2	0.4880 LB/MMBTU	LOW S COAL/PARTIAL SCRUBBING	BACT
		NOX	0.3200 LB/MMBTU	KILN DESIGN	BACT
BLEND SILO		PM	1.2300 LB/H	BAGHOUSE	BACT 99.00
COAL MILL		PM	4.2500 LB/H	BAGHOUSE	BACT 99.00
COAL TRANSFER					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 — INITIAL REVIEW — POST STARTUP

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.2600 LB/H	ENCLOSED BAGHOUSE WET SPRAY	BACT 99.00
COAL BIN					
		PM	0.2100 LB/H	BAGHOUSE	BACT 99.00
COAL CRUSHER					
		PM	0.2100 LB/H	BAGHOUSE	BACT 99.00
4 CLINKER TRANSFERS					
		PM	0.2100 LB/H EA	BAGHOUSE	BACT 99.00
DUST BIN					
		PM	0.2100 LB/H	BAGHOUSE	BACT 99.00
CLINKER COOLER					
		PM	0.1000 LB/T D FEED	GRAVEL BED FILLER	NSPS 99.00
COAL UNLOAD					
		PM	0.2920 LB/H	ENCLOSED, H2O SPRAY	BACT 50.00
TRAVELING STACKER					
		PM	0.0100 LB/H	WET SUPPRESSION	BACT 80.00
STORAGE PILE					
		PM	0.5300 LB/H	WET SUPPRES., COMPACT.	BACT 90.00
TRAFFIC AROUND PILE					
		PM	0.0500 LB/H	WET SUPPRES., COMPACT.	BACT 90.00
ROAD OUT					
		PM	0.0080 LB/H	WET SUPPRES., COMPACT.	BACT 90.00
TRUCK LOAD					
		PM	5.8400 LB/H		BACT
TRUCK DUMPING					
		PM	2.3500 LB/H		BACT
CONVEYOR TRANSFER					
		PM	3.5200 LB/H	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOMOGINIZING SILO					
		PM	2.5400 LB/H	BAGHOUSE	BACT 99.00
HOMOGINIZING SILO					
		PM	0.1600 LB/H	BAGHOUSE	BACT 99.00
KILN LEVEL TANK					
		PM	0.7900 LB/H	BAGHOUSE	BACT 99.00
CLINKER COOLER					
		PM	0.4000 LB/H	BAGHOUSE	BACT 99.00
CLINKER TRANSFER					
		PM	0.4800 LB/H	BAGHOUSE	BACT 99.00
2 CLINKER STORAGE BINS					
		PM	0.3200 LB/H EA	BAGHOUSE	BACT 99.00
CLINKER STORAGE BIN					
		PM	0.1600 LB/H	BAGHOUSE	BACT 99.00
3 CEMENT SILOS					
		PM	1.1100 LB/H EA	BAGHOUSE	BACT 99.00
2 CEMENT SILOS					
		PM	0.3200 LB/H EA	BAGHOUSE	BACT 99.00
RAW MILL					
		PM	0.7100 LB/H	BAGHOUSE	BACT 99.00
RAW MILL					
		PM	1.1900 LB/H	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 2750.00 T/D

COMPANY NAME/SITE LOCATION: TEXAS CEMENT CO., P.O. BOX 610 — BUDA, TX 78610

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-194
DETERMINATION MADE BY: EPA REGION VI (AGENCY); JOHN BUNYAK (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/16/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN & RAW MILL	2750.00 T/D				
		PM	33.7000 LB/H	BAGHOUSE	BACT 99.90
		NOX	240.0000 LB/H	FLASH CALCINER, LEA	BACT
		SO2	416.0000 LB/H	MATERIAL ALKALINITY	BACT 75.00
MATERIAL CRUSHING		PM	5.9000 LB/H	BAGHOUSE	BACT 99.80
BLENDING SILOS		PM	3.1000 LB/H	BAGHOUSE	BACT 99.80
CLINKER COOLER		PM	0.6000 LB/H	BAGHOUSE	BACT 99.00
FINISH SILO		PM	2.1000 LB/H	BAGHOUSE	BACT 99.80
COAL & GYPSUM HANDLING		PM	3.2000 LB/H	BAGHOUSE	BACT 99.80
CEMENT BAG PACKING		PM	1.8000 LB/H	BAGHOUSE	BACT 99.80

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) TEXAS CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FINISH MILL					
		PM	6.0000 LB/H		BACT
				BAGHOUSE	99.80

NOTES --------
EXPANDED CAPACITY FROM 1375 TONS/DAY TO 2750 TONS/DAY. QUARRY OPERATIONS LIMTED TO 10 HRS/DAY, 6 DAYS/WK AND DELIVERY OF NO MO RE THAN 10000 TONS OF QUARRIED MATERIAL PER DAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING — 1800.00 T/D

COMPANY NAME/SITE LOCATION: ASH GROVE CEMENT CO. — LOUISVILLE, NE

DETERMINATION IS LAER

PERMIT NO.

DETERMINATION MADE BY: NEBRASKA DEC (AGENCY); GENE ROBINSON (AGENCY CONTACT PERSON); (402)-471-2186 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/22/80

ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	1800.00 T/D				
		PM	0.0100 GR/ACFM	ESP'S/RECIRCULATION	99.70
CLINKER COOLER	150000.00 LB/H				
		PM	0.0090 GR/ACFM	FABRIC FILTER	99.70
KILN FEED SYS	250000.00 LB/H				
		PM		FABRIC FILTER A/C RATIO NOT > 5.8:1	99.70
COAL GRINDING SYS	22900.00 LB/H				
		PM		FABRIC FILTER A/C RATIO NOT > 4.14:1	99.70

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING — 100.00 T/H

COMPANY NAME/SITE LOCATION: ATLANTIC CEMENT CO., INC. — SPARROWS POINT, MD 21219 — BALTIMORE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 03-6-0932
DETERMINATION MADE BY (AGENCY): CARL YORK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/03/80
ESTIMATED DATE OF START-UP-- 1982
(301)-383-2776 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLUIDIZED BED SLAG DRYER	125.00 T/H	PM	0.0200 GR/DSCF	CYCLONE/BAGHOUSE	LAER 99.00
CONVEYING & MILLING	110.00 T/H	PM	0.0200 GR/DSCF	BAGHOUSES	LAER 99.00
BARGE AND SHIP LOADING	1500.00 T/H	PM	0.0200 GR/DSCF	DUSTLESS CHUTES/BAGHOUSES	LAER 99.00
ROADS		PM		PAVEMENT	90.00
STOCKPILES		PM		WET SUPPRESSION	80.00

NOTES --------
CEMENT MANUFACTURED FROM GRANULATED SLAG

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING — 375.00 T/H

COMPANY NAME/SITE LOCATION: BANKS CONSTRUCTION CO., P.O. BOX 4426 — SUMMERVILLE, SC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-SC-032
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY); DAVID FLEMING (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/80
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN	375.00 T/H				
		PM	17.5000 LB/H	BAGHOUSE	NSPS 99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/02/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING — 1.50 MT/D

COMPANY NAME/SITE LOCATION: BEEHIVE CEMENT, SANTAGUIN PLANT NEAR GENOLA , UT — UTAH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VIII (AGENCY) — JOHN DALE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/27/81
ESTIMATED DATE OF START-UP--
(303)-837-3763 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BIN FEED-CLK					
		PM	0.5000 LB/H	FF	BACT 99.80
CEM MILL FD	90.00 T/H CEMENT	VE	10.0000 % OPACITY		
		PM	0.7000 LB/H	FF	BACT 99.80
CEM ML CIRC		VE	10.0000 % OPACITY		
		PM	2.0000 LB/H	FF	BACT 99.80
CEM PACK SYS	515.00 MT/YR	VE	10.0000 % OPACITY		
		PM	0.7000 LB/H	FF	BACT 99.80
CEM SILO B&KF		VE	10.0000 % OPACITY		
		PM	1.1000 LB/H	FF	BACT 99.80
CEM SILO COLL. 8 EA		VE	10.0000 % OPACITY		
		PM	0.3000 LB/H EA	FF	BACT 99.80
		VE	10.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEM SILO LDOUT 4 EA					
		PM	0.7000 LB/H EA		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CEM SILO TOP					
		PM	1.5000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CLK CONV SYS, 4					
		PM	0.5000 LB/H		BACT
				FF	99.80
		PM	0.3000 LB/H		BACT
				FF	99.80
		PM	0.3000 LB/H		BACT
				FF	99.80
		PM	1.8000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CLK COOL VENT					
		PM	10.3500 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
COAL RECL BIN	71.30 MT/YR				
		VE	10.0000 % OPACITY		BACT
				ENCLOSURE	40.00
COAL RECL PILE	71.30 MT/YR				
		VE	10.0000 % OPACITY		BACT
				ENCLOSURE	20.00
GYP BIN FEED					
		PM	0.5000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
INACT.PILE ERO					
		VE	10.0000 % OPACITY		BACT
				SURFACTANT	90.00
KILN	1.50 MT/D				
		NOX			BACT
				NO CONTROL	
		SO2	0.4700 LB/T FEED		BACT
				KILN	73.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN/RAWML EXH	1.50 MT/D				
		PM	14.3000 LB/H	FF	BACT 99.80
		VE	20.0000 % OPACITY		
LIMESTN BINFD					
		PM	0.4000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
LIMESTONE CONV					
		PM		ENCLOSURE	BACT 90.00
LIVE PILE EROS					
		PM		SURFACTANT	BACT
RAW MATL BIN FD					
		PM	0.7000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
RAW MATL TRANS.					
		PM	0.3000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
RAWML ADD CRUSH					
		PM	1.1000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
RAWML CIR EQ					
		PM	0.5000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
RAWML FD SYS					
		PM	1.1000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		

NOTES --------
LIMITED TO 330 D/YR OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING — 1.80 MT/D

COMPANY NAME/SITE LOCATION: MARTIN MARIETTA-LEAMINGTON — LEAMINGTON CANYON, UT — JUAB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VIII (AGENCY) — JOHN DALE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/06/81
ESTIMATED DATE OF START-UP-- 1982
(303)-837-3763 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ALKALI BYPASS		PM	8.2000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		
ALKALI BYPASS		PM	0.3000 LB/H	FF	BACT 99.80
BLEND & KILN FEED		PM	0.8000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
2ND BLEND & KILN FEED		PM	0.3000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
BURN/COOL		PM	10.2000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
COAL STOR. & ML		PM	0.2000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
COAL STOR. & ML					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	3.1000 LB/H	FF	BACT 99.80
CRUSHING		VE	10.0000 % OPACITY		
		PM	3.1000 LB/H	FF	BACT 99.80
FINISH GRIND		VE	10.0000 % OPACITY		
		PM	1.4000 LB/H	FF	BACT 99.80
FINISH GRIND					
		PM	5.0000 LB/H	FF	BACT 99.90
FINISH GRIND		VE	10.0000 % OPACITY		
		PM	2.3000 LB/H	FF	BACT 99.90
KILN SYS		VE	10.0000 % OPACITY		
		NOX	101.5000 LB/H		BACT
			0.0000 LB/T FEED	DESIGN	
		SO2	98.8000 LB/H		BACT
			0.7700 LB/T FEED	KILN	85.00
QUARRY I		VE	10.0000 % OPACITY	FUG.CONTROLS	BACT
QUARRY II					
		PM	10.0000 % OPACITY	FUG.CONTROLS	BACT
RAW MATL STORAGE					
		PM	1.5000 LB/H	FF	BACT 99.90
RAW MILL		VE	10.0000 % OPACITY		
		PM	18.2000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1934

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO/LDOT-COAL					
		PM	0.9000 LB/H	FF	BACT 99.80
SILO/LDOT-COAL		VE	10.0000 % OPACITY		
		PM	0.6000 LB/H	FF	BACT 99.80
STORAGE PILES		VE	10.0000 % OPACITY		
		VE	10.0000 % OPACITY	FUG.CONTROLS	BACT
BURN/COOL					
		PM	0.4000 LB/H	FF	BACT 99.80
BURN/COOL		VE	10.0000 % OPACITY		
		PM	0.4000 LB/H	FF	BACT 99.80

NOTES --------
KILN NOX EMISSION LIMIT IS BEING RE-EVALUATED. EXHAUST GAS FROM THE KILN ARE VENTED FROM THE FINISH MILL STACK AND THE ALKALI BY-PASS STACK. LIMITED TO 300 D/YR OPERATION OF THE KILN. DRY BLEND SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER UT-0016

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

SOURCE TYPE CODE 9.5

SOURCE TYPE/SIZE: COAL CLEANING — 15500.00 T/D

COMPANY NAME/SITE LOCATION: ETSI — REDFIELD, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 700-A
DETERMINATION MADE BY: ARKANSAS DPC (AGENCY); MIKE PORTA (AGENCY CONTACT PERSON); (501)-562-7444 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/28/83
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL	498.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				BAGHOUSE	99.90
		SO2	1.2000 LB/MMBTU		NSPS
				LOW S COAL	
		NOX	0.7000 LB/MMBTU		NSPS
				STAGED COMBUSTION-LEA	
		CO			BACT
				GOOD COMBUSTION	
THERMAL DRYER,9	15900.00 T/D				
		PM	0.0310 GR/DSCF		
				SCRUBBER	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE: COAL CLEANING — 15900.00 T/D

COMPANY NAME/SITE LOCATION: ETSI — NEWARK, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 705-A
DETERMINATION MADE BY: ARKANSAS DPC (AGENCY) — MIKE PORTA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/28/83
ESTIMATED DATE OF START-UP--
(501)-562-7444 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL	498.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				BAGHOUSE	99.90
		SO2	1.2000 LB/MMBTU		NSPS
				LOW S COAL	
		NOX	0.7000 LB/MMBTU		NSPS
				STAGED COMBUSTION - LEA	
		CO			BACT
				GOOD COMBUSTION	
THERMAL DRYER	15900.00 T/D				
		PM	0.0310 GR/DSCF		
				SCRUBBER	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: COAL CLEANING

COMPANY NAME/SITE LOCATION: SOUTHERN CA EDISON COALWATER STATION — 12 MI. SE OF BARSTON, CA

DETERMINATION IS
PERMIT NO. SE80-01
DETERMINATION MADE BY: EPA REGION IX (AGENCY); DICK GROW (AGENCY CONTACT PERSON); (415)-974-8219 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/09/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL GASIFICATION UNIT	100.00 T/D				
		SO2	4.4000 LB/H	SELEXOL	
			196.0000 LB/H	SLOT/CLAUS	
				SEL.: <.7% S, S/C: >.7% S FUEL	99.60
		CO	77.0000 LB/H	3H AV	
			50.0000 PPMV,	DRY, DAY AVG	
				I & M PROGRAM, CO MONITORS	
GAS TURBINE	100.00 MW				
		SO2	35.0000 LB/H	<.7% S FUEL	
			175.0000 LB/H	>.7% S FUEL	
				3 HOUR AVERAGES	
		CO	77.0000 LB/H	3H AV	
			50.0000 PPMV,	DRY, DAY AVG	
				I & M PROGRAM, CO MONITORS	
		SUL*			
				BACT INCORP. IN SO2 CONTRL.	
		NOX	140.0000 LB/H	3H AV	
			50.0000 PPMV,	DRY, DAY AVG	
				WATER INJECTION	

NOTES --------
BACT DETERMINED FROM TECHNOLOGY AND ECONOMICS. TWO MAJOR PROCESSES: ONE COAL GASIFICATION UNIT, ONE GAS TURBINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1933	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: COAL CLEANING (THERMAL DRYER) — 1.46 MMT/YR DRY

COMPANY NAME/SITE LOCATION: CONSOL PENNSYLVANIA COAL CO. — RICHHILL, PA — GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 82PA01
DETERMINATION MADE BY: EPA REGION III (AGENCY); GREGORY HAM (AGENCY CONTACT PERSON); (215)-597-2745 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/03/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
THERMAL DRYER	352.00 T/H				
		PM	0.0310 GR/DSCF	VENTURI SCRUBBER	NSPS 99.00
		SO2	1.9000 LB/MMBTU	VENTURI SCRUBBER	15.00
		NOX	0.6000 LB/MMBTU		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: COAL CLEANING (THERMAL DRYER)

COMPANY NAME/SITE LOCATION: METTIKI COAL — DEER PARK, MD

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION III (AGENCY) — CRAIG HOLDEFER (AGENCY CONTACT PERSON) — (301)-383-3147 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/05/78
ESTIMATED DATE OF START-UP-- 1978

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
THERMAL DRYERS	1.46 MMT/YR				
		PM	0.0096 GR/DSCF		
			31.7000 LB/H		
				MULTIPLE CYCLONE & VENTURI SCRUBBER	99.70
		SO2	20.5000 PPM		
			78.6000 LB/H		

NOTES --------
SOURCE HAS REQUESTED THAT PM EMISSIONS LIMIT BE RAISED TO 0.02 GR/DSCF. MARYLAND AIR MANAGEMENT ADMIN. WILL ALLOW THIS INCREAS
E IF SOURCE RESTRICTS OPERATIONS TO 16 H/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION: CERTAINTEED CORP. MADERA, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SJ 80-02
DETERMINATION MADE BY: EPA REGION IX (AGENCY); RICK SUGAREK (AGENCY CONTACT PERSON); (415)-974-8062 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/22/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS MELTING	220.00 MT/D				
		NOX	55.9000 LB/H GAS 40.0000 LB/H OIL	REDUCED AIR COMBST MOD.	

NOTES --------
BACT DETERMINED FROM TECHNOLOGY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/04/1984

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING — 1166.00 LB/H

COMPANY NAME/SITE LOCATION: PABCO INSULATION DIV., FIBERBOARD CORP. , TX — ANDERSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9386
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — BOB MAUEL (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/13/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATERIAL STORAGE, SILO, RAW MAT*		PM	0.1000 LB/H	BAGHOUSE	BACT 99.00
MATERIAL STORAGE, PRODUCT, MIXED		PM	0.1000 LB/H	BAGHOUSE	BACT 99.00
FIBERIZING, COLL., & CURING	1166.00 LB/H	NOX	3.0000 LB/H		BACT
		PM	3.0000 LB/H	VENTURI SCRUBBER	BACT 94.00
		FOR*	1.0000 LB/H	VENTURI SCRUBBER	BACT 94.00
		PHE*	1.0000 LB/H	VENTURI SCRUBBER	BACT 94.00

NOTES --------
HEALTH EFFECTS REVIEW WAS CONDUCTED DUE TO THE FORMALDEHYDE AND PHENOL EMISSIONS. EXPECTED MANIMUM CONCENTRATIONS OF THESE SUB STANCES ARE NOT EXPECTED TO CAUSE ACUTE HEALTH EFFECTS. PROCESS HEAT SUPPLIED BY ELECT. FURNACE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION: PPG INDUSTRIES — MIDLAWN, TX

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-290
DETERMINATION MADE BY: EPA REGION VI (AGENCY); JOHN BUNYAK (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/27/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLASS MELTING FURNACE, 2	72.00 MMBTU/H	PM	3.0000 LB/H NAT GAS	
			0.0400 LB/MMBTU NAT GAS	NSPS
			BACT NOT REQUIRED	
		SO2	59.0000 LB/H NAT GAS	
			0.8100 LB/MMBTU NAT GAS	BACT
			CHEMICAL INJECTION	
		NOX	109.0000 LB/H NAT GAS	
			1.5100 LB/MMBTU NAT GAS	BACT
			COMBUSTION CONTROL	
		F	4.1000 LB/H NAT GAS	
			0.0570 LB/MMBTU NAT GAS	
			BACT NOT REQUIRED	
		PM	3.4500 LB/H FUEL OIL	
			0.0500 LB/MMBTU FUEL OIL	NSPS
			BACT NOT REQUIRED	
		SO2	93.5000 LB/H FUEL OIL	
			1.3000 LB/MMBTU FUEL OIL	BACT
			CHEMICAL INJECTION	
		NOX	0.8500 LB/H FUEL OIL	
			1.1800 LB/MMBTU FUEL OIL	BACT
			COMBUSTION CONTROL	
		F	4.1000 LB/H FUEL OIL	
			0.0570 LB/MMBTU FUEL OIL	
			BACT NOT REQUIRED	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) PPG INDUSTRIES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING OVENS, 12	0.93 MMBTU/H				
		PM	0.0100 LB/H		
			0.0100 LB/MMBTU		
				BACT NOT REQUIRED	
		SO2	0.0060 LB/H		
			0.0060 LB/MMBTU		BACT
				NATURAL GAS FIRING	
		NOX	0.2000 LB/H		
			0.2100 LB/MMBTU		BACT
				COMBUSTION CONTROL	
POST BAKE OVENS	0.56 MMBTU/H				
		PM	0.0100 LB/H		
			0.0200 LB/MMBTU		
				BACT NOT REQUIRED	
		SO2	0.0003 LB/H		
			0.0005 LB/MMBTU		BACT
				NATURAL GAS FIRING	
		NOX	0.1300 LB/H		
			0.2300 LB/MMBTU		BACT
				COMBUSTION CONTROL	
BOILERS, 2	20.92 MMBTU/H				
		PM	0.3000 LB/H		
			0.0140 LB/MMBTU		
				BACT NOT REQUIRED	
		SO2	0.0[illegible] LB/H		
			0.0005 LB/MMBTU		BACT
				NATURAL GAS FIRING	
		NOX	4.8000 LB/H		
			0.2300 LB/MMBTU		BACT
				COMBUSTION CONTROL	
MATERIAL HANDLING FACILITIES, 33					
		PM	0.3300 LB/H		
				BACT NOT REQUIRED	

NOTES --------
THE GLASS MELTING FURNACES ARE PERMITTED TO FIRE EITHER NATURAL GAS/PROPANE OR FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: FRIT MANUFACTURING — 600.00 T/D

COMPANY NAME/SITE LOCATION: GUARDIAN INDUSTRIES CORP.
43043 W. NINE MILE RD.
NORTHVILLE, TX 48167
NAVARRO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — JOHN BUNYAK (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/18/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLASS MELTING FURNACE STACK	600.00 T/D				
		NOX	0.5000 LB/T	LOW EXCESS AIR	BACT
		SO2	0.1300 LB/T	PROCESS DESIGN	BACT
		PM	0.0600 LB/T	PROCESS DESIGN	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: BALL CORP.
NEAR ROSEVILLE , CA
PLACER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SAC-79-02
DETERMINATION MADE BY: EPA REGION IX (AGENCY); DAVID SOLOMON (AGENCY CONTACT PERSON); (415)-974-8066 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/13/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, BOTTLE GLASS MELTING	438.00 T/D			
		NOX	6.3000 LB/T GLASS PULLED/H	
			75.0000 LB/H SEE NOTE	
			HIGH LEVEL ELECT. BOOST	
			LOW EXCESS AIR	45.00

NOTES --------
MINIMUM 2500 KW BOOST FOR ALL PULL RATES OVER 285 T/DAY. FIRST NOX LIMIT -- ALL PULL RATES>285 T/DAY. 2ND LIMIT FOR RATES<285.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: GUARDIAN INDUSTRIES CORP. KINGSBURY, CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. SJ-78-86
DETERMINATION MADE BY: EPA REGION IX (AGENCY); DAVID SOLOMON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/16/81
ESTIMATED DATE OF START-UP--
(415)-974-8066 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLASS MELTING FURNACE #2	650.00 T/D				
		SO2		SEE NOTE CHEMICAL TREATMENT OF FURNACE OFFGASES NO MORE THAN 15 LB SALT CAKE PER 1000 LB SAND	
		NOX	340.0000 LB/H	PROPER FURNACE DESIGN	BACT 20.00
		PM	12.2000 LB/H	ESP	NSPS

NOTES --------
COMPLIANCE WITH SO2 AND NOX LIMITS TO BE DETERMINED WITH CONTINUOUS MONITORS.SO2 EMISSION LIMIT IS (13 X (LB SALT CAKE PER 100 0 LB SAND IN BATCH)) - 6(LB/H) OR TO BE LESS THAN 137.0 LB/H. ALSO LIMITED TO 0.5% S FUEL OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/04/1984

ID NUMBER CA-0002

SOURCE TYPE CODE 9.11

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GLASS MANUFACTURING — 750.00 T/D

COMPANY NAME/SITE LOCATION: PPG INDUSTRIES — MOUNT ZION, IL — MACON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C 912026
DETERMINATION MADE BY: ILLINOIS EPA (AGENCY) — CHRIS ROMAINE (AGENCY CONTACT PERSON) — (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/29/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLOAT GLASS PLANT	750.00 T/D				
		NOX	13.0000 LB/T GLASS PROD		BACT
		SO2	1.6000 LB/T GLASS PROD		SIP
		PM	0.6000 LB/T GLASS PROD		NSPS
				ESP	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

ID NUMBER IL-0008

SOURCE TYPE CODE 9.11

SOURCE TYPE/SIZE: GLASS MANUFACTURING — 8.00 T/H

COMPANY NAME/SITE LOCATION: PPG INDUSTRIES, P.O. BOX 1356 — CUMBERLAND, MD 21502 — ALLEGHENY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79MD05
DETERMINATION MADE BY: EPA REGION III (AGENCY) — VERNON BUTLER (AGENCY CONTACT PERSON) — (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/07/79
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF
GLASS FURNACE	8.00 T/H			
		NOX	1.4550 LB/MMBTU	BACT
		SO2	8.0000 LB/H	BACT
		PM	11.5000 LB/H	BACT

NOTES --------
SMALLER THAN COMMERCIAL (PROTOTYPE) UNIT FOR TESTING & RESEARCH ON THIS PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE: GYPSUM MANUFACTURING — 150.00 MT/YR

COMPANY NAME/SITE LOCATION: CONTINENTAL LIME, INC
NEAR DELTA , UT
MILLARD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VIII (AGENCY) — JOHN DALE (AGENCY CONTACT PERSON) — (303)-837-3763 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/05/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CALC. PLANT	40.00 T/H STONE	PM	0.3000 LB/T FEED	TWIN CYC. & DUCON DYM SCRUBB.	BACT
		VE	10.0000 % OPACITY		
COAL BIN STOR	394.00 MT/YR	PM	0.0040 LB/H	BAGHOUSE	BACT
		VE	20.0000 % OPACITY		
FINISH PROD CRUSH	45.00 T/H COAL	PM	4.2000 LB/H	BAGHOUSE	BACT
		VE	20.0000 % OPACITY		

NOTES --------
CALCINER EMISSION LIMIT IS BEING CONTESTED THROUGH THE COURTS. SEE 'CFR THURSDAY, SEPT. 2, 1982'

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GYPSUM MANUFACTURING — 425.00 MMCF/YR

COMPANY NAME/SITE LOCATION: U.S. GYPSUM — SWEETWATER, TX — NOLAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-255
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — BILL TAYLOR (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/13/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE PILE	425.00 MMSQF/YR				
LAND PLASTER STORAGE BIN		PM	1.5000 LB/H	SPROUT, HOOD, ENCLOSURE	34.00
CALCINED GYPSUM STORAGE BIN		PM	0.3000 LB/H	BAGHOUSE	99.70
MACHINE DRY MIXING EQUIP.		PM	0.3000 LB/H	BAGHOUSE	99.90
POST STUCCO TREATMENT EQUIP.		PM	1.2000 LB/H	BAGHOUSE	99.90
END SAWING EQUIPMENT		PM	0.6000 LB/H	BAGHOUSE	99.90
DRYING KILNS, 6		PM	3.0000 LB/H	BAGHOUSE	99.90
		PM	0.7000 LB/H	NONE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: LIME MANUFACTURING — 40000.00 LB/H

COMPANY NAME/SITE LOCATION: ARMCO INC. - PIQUA MINERALS
P.O. BOX 911 — PIQUA, OH — MIAMI COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 08-362
DETERMINATION MADE BY: REGIONAL APC (AGENCY) — REBECCA POHLMAN (AGENCY CONTACT PERSON) — (513)-335-5655 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/15/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE CLASSIFIER	40000.00 LB/H			
		PM	0.0200 GR/DSCF	
			5.0000 LB/40000 LB PER H	BACT
			BAGHOUSE, 1 SMALL & 1 LARGE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 02/13/1984

ID NUMBER OH-0041

SOURCE TYPE CODE 9.13

SOURCE TYPE/SIZE: LIME MANUFACTURING

COMPANY NAME/SITE LOCATION: CHEMSTONE CORP. ORANDA, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 20252
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/07/83
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN, COAL FIRED	54.00 MMBTU/H	PM	0.2000 LB/T LIMESTONE FEED	MULTICLONE & BAGHOUSE	99.50
COAL HANDLING	2.50 T/H	PM	1.3[illegible] T/YR	BAGHOUSE & WET SUPRESSION	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: LIME MANUFACTURING

COMPANY NAME/SITE LOCATION: DAN RIVER, INC. — DANVILLE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 30242
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) — RENALDO JENKINS (AGENCY CONTACT PERSON) — (804)-786-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/22/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME MANUFACTURING PLANT	9.00 MMLB/YR				
		PM	4.5000 LB/H 16.2000 T/YR	BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER VA-0020

SOURCE TYPE CODE 9.13

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: LIME MANUFACTURING — 10.40 T/H QUICKLIME

COMPANY NAME/SITE LOCATION: DOMTAR INDUSTRIES, INC. — BELLFONTE, PA — CENTRE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80PA02
DETERMINATION MADE BY: EPA REGION III (AGENCY) — BOB BLASZCZAK (AGENCY CONTACT PERSON) — (215)-597-8186 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/10/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTORY KILN,NO.1 COAL-FIRED	10.40 T/H QUICK L*				
		PM	0.1800 LB/T LIMESTONE	BAGHOUSE	NSPS
		SO2	1.1300 LB/T LIMESTONE	BAGHOUSE	99.90 BACT
				LIME DUST INTERACTING WITH SO2	90.00
		NOX	1.5000 LB/T LIMESTONE	GOOD DESIGN & OPERATION	BACT

NOTES --------
EXPANSION OF LIME PRODUCTION CAPACITY BY REHABILITATING NO.1 KILN TO PRODUCE QUICK LIME

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: LIME MANUFACTURING

COMPANY NAME/SITE LOCATION: J.E. BAKER CO. MILLERSVILLE, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. EPA-5-A-80-15
DETERMINATION MADE BY: OHIO EPA NWD (AGENCY); CHUCK HULL (AGENCY CONTACT PERSON); (419)-352-8461 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/22/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN		PM	0.0300 GR/DSCF	VENTURI SCRUBBER	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION: TEXACO, INC.
SAN ARDO OIL FIELD , CA
MONTEREY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NCC-78-04
DETERMINATION MADE BY: EPA REGION IX (AGENCY) — DON HARVEY (AGENCY CONTACT PERSON) — (415)-974-8223 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/09/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM GEN., 3 EA	20.00 MMBTU/H				
		SO2	0.5800 LB/MMBTU 2.0000 % S FUEL OIL		BACT
WASTE GAS INCIN.	50.00 MMBTU/H			FLUE GAS DESULFURIZATION	75.00
		SO2	9.0000 LB/H	NICKEL CHLORIDE H2S SCRUBBER	BACT 99.30

NOTES --------
THERMALLY ENHANCED OIL RECOVERY (TEOR)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE: MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION: U.S. GYPSUM — WABASH CITY, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-14
DETERMINATION MADE BY: EPA REGION V (AGENCY) — BONIFACE THAYIL (AGENCY CONTACT PERSON) — (312)-886-6054 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/06/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CUPOLA	12000.00 LB/H				
		CO	61.0000 LB/H	AFTERBURNER	94.00
		PM		DROP OUT BIN & BAGHOUSE	99.00
SPINNER PRIMARY & SECOND. CYC		PM	9.0000 LB/H	DRY FILTER	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION: U.S. GYPSUM — GYPSUM, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-16
DETERMINATION MADE BY: OHIO EPA NWD (AGENCY) — CHUCK HULL (AGENCY CONTACT PERSON) — (419)-352-8461 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/11/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CUPOLA		PM	0.1500 LB/T PROC. WT.		
			0.9000 LB/H MAX		
				DROPOUT BIN AND BAGHOUSE	
		SO2	1.6000 LB/T PROC. WT.		
			9.6000 LB/H MAX		
		CO	5.3500 LB/T PROC. WT.		
			32.0000 LB/H MAX		
FIBERIZATION PROCESS (FIBERIZIN*		PM	0.5200 GR/CF		
			179.0000 LB/H		
				SCRUBBER	97.80

NOTES --------
SOURCE NOT BUILT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: PERLITE MANUFACTURING

COMPANY NAME/SITE LOCATION: CAROLINA STALITE — GOLD HILL, NC — ROWAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-082
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/05/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, 2 EA		PM	16.0000 LB/H EA	BAGHOUSE	BACT 98.00
		SO2	1.2000 LB/MMBTU EA	LOW SULFUR COAL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

05/21/1985

SOURCE TYPE/SIZE: PHOSPHATE ROCK PROCESSING

COMPANY NAME/SITE LOCATION: ESTECH GENERAL CHEMICALS
410 CORTEZ ROAD WEST — BRADENTON, FL 33507 — MANATEE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-FL-036
DETERMINATION MADE BY: FLORIDA DER (AGENCY) — WILLARD HANKS (AGENCY CONTACT PERSON) — (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/29/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROCK DRYER	290.00 T/H	PM	0.0220 GR/DSCF	WET SCRUBBER-CYCLONE TYPE	NSPS 99.80

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER FL-0021

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 01/25/1984

SOURCE TYPE CODE 9.16

SOURCE TYPE/SIZE: PHOSPHATE ROCK PROCESSING — 475.00 T/H ROCK FEED

COMPANY NAME/SITE LOCATION: MOBIL CHEMICAL CO.
P.O. BOX 511 — NICHOLS, FL 33863
POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AC53-2005
DATE OF PERMIT ISSUANCE-- 03/20/80
DETERMINATION MADE BY: FLORIDA DER (AGENCY) — WILLARD HANKS (AGENCY CONTACT PERSON) — (904)-488-1344 (PHONE)
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROCK DRYER	475.00 T/H MAX				
		PM	52.0000 LB/MT 24.9000 LB/H		BACT
				VENTURI SCRUBBER (CAUSTIC)	
		SO2	19.4000 LB/H		99.00

NOTES --------
CONTINUOUS MONITORING OF PRESS. DROP ACROSS SCRUBBER AND PRESSURE AT SCRUBBER LIQUID INLET AND PH AT LIQUOR EXIT, IN LIEU OF S
02 AND TSP MONITORS. .

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 250.00 T/H

COMPANY NAME/SITE LOCATION: AUSTINVILLE LIMESTONE CO., INC. — AUSTINVILLE, VA

DETERMINATION IS BACT
PERMIT NO. 10213
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) — KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/02/83
ESTIMATED DATE OF START-UP-- 1983
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
JAW CRUSHER	250.00 T/H				
		PM	5.4800 T/YR	WET SUPPRESSION	BACT 90.00
SECONDARY CRUSHER, 2	120.00 T/H				
		PM	21.9000 T/YR	WET SUPPRESSION/SCRUBBER	BACT 98.00
TERTIARY CRUSHER, 2	120.00 T/H				
		PM	147.8200 T/YR	WET SUPPRESSION/SCRUBBER	BACT 98.00
FINES MILL	45.00 T/H				
		PM	70.9600 T/YR	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/19/1984

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 50.00 T/H

COMPANY NAME/SITE LOCATION: COAL INDUSTRY SERVICES CO. — POUNDING MILL, VA — TAZEWELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA11
DETERMINATION MADE BY: EPA REGION III (AGENCY) — VERNON BUTLER (AGENCY CONTACT PERSON) — (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/06/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY AGGREGATE DRYER	50.00 T/H				
		PM	2.6000 LB/H	BAGHOUSE	BACT 99.98
		FUG*	20.0000 % OPACITY		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 2000.00 T/D

COMPANY NAME/SITE LOCATION: CONCRETE MATERIALS INC. FALL RD. — BROCKPORT, NY — MONROE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NONE
DETERMINATION MADE BY: EPA REGION II (AGENCY) — PAUL KAHN (AGENCY CONTACT PERSON) — (212)-264-9578 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/12/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
1, 2, 3 ROCK CRUSHERS	125000.00 T/H	PM	70.0000 T/YR	WATER SPRAY	SIP 95.00
				WATER SPRAYS W/WETTING AGENT	
CONVEYERS	VARIABLE	PM	20.0000 % OPACITY	COVERS ON CONVEYERS	SIP 99.00
DROP POINTS	VARIABLE	PM		NONE	
				SHROUDS	SIP 95.00

NOTES --------
OPERATING DAYS FOR THIS SOURCE WERE LIMITED TO 160 DAYS PER YEAR. PERMIT WAS ISSUED UNDER POST-ALABAMA REGS AND SOURCE WAS ADV
ISED THAT THEIR PERMIT COULD BE RECINDED IF THEY SO DESIRE. PERMIT WAS RECINDED BY EPA ON 1/26/82.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 120.00 T/H

COMPANY NAME/SITE LOCATION: GAF CORP. — CHARMAIN, PA — ADAMS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79-PA-20
DETERMINATION MADE BY: EPA REGION III (AGENCY) — DAVID ARNOLD (AGENCY CONTACT PERSON) — (215)-597-7936 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/29/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL #1					
		PM	1.0900 LB/H	CYCLONE	BACT 99.80
MILL #2		PM	2.1100 LB/H	WET SCRUBBER	BACT 99.80
MILL #3		PM	1.9200 LB/H	WET SCRUBBER	BACT 99.80
STORAGE		PM	0.6200 LB/H		BACT
CRUSHING		PM	2.1000 LB/H		BACT
CRUSHER		PM	0.3100 LB/H		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 150.00 HP

COMPANY NAME/SITE LOCATION: GRANITE CONSTRUCTION CO. , CA — KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1008010C
DETERMINATION MADE BY: KERN COUNTY APCD (AGENCY) — TOM PAXSON (AGENCY CONTACT PERSON) — (805)-861-3682 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONE CRUSHER	150.00 HP	PM	0.0010 LB/T H2O SPRAY & TARP SHROUD	BACT

NOTES --------
PROCESS OPERATES AT 30% OF DESIGN CAPACITY. OPERATES 16 H/D, 5 D/WK, 52 WK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: MARTIN MARIETTA AGGREGATES — CHARLESTOWN, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(10)1483
DETERMINATION MADE BY: INDIANA APCD (AGENCY) — FRANK PROFIT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/25/81
ESTIMATED DATE OF START-UP--
(317)-633-0664 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HAMMERMILL CRUSHER		PM	0.1800 LB/H	BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER IN-0008

SOURCE TYPE CODE 9.17

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 1.12 MMT/YR

COMPANY NAME/SITE LOCATION: MARYLAND MATERIALS, INC.
P.O. BOX W — NORTHEAST, MD 21901
CECIL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78MD06
DETERMINATION MADE BY: EPA REGION III (AGENCY) — ED VOLLBERG (AGENCY CONTACT PERSON) — (215)-597-8990 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/04/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TERTIARY CRUSHING & SCREENING	360.00 T/H	PM	6.4800 LB/H	BAGHOUSE	BACT 99.70

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER MN-0012

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE CODE 9.17

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: MID-CONTINENT MATERIALS, INC. — TULSA, OK

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. T79-004
DETERMINATION MADE BY: TULSA CITY-COUNTY HEALTH DEPT (AGENCY) BILL GIBBONS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/19/79
ESTIMATED DATE OF START-UP-- 1982
(918)-744-1000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY CRUSHER	355.00 T/H	PM	1.8000 LB/H	H2O SURFACTANT	95.00
SECONDARY CRUSHER	355.00 T/H	PM	1.1000 LB/H	H2O SURFACTANT & FILTER	99.50
CONVEYORS	355.00 T/H	PM	13.3000 LB/H	H2O SURFACTANT	95.00
STOCKPILES	355.00 T/H	PM	12.2000 LB/H	H2O SURFACTANT RESID.(NOTE#1)	85.00
TRUCK LOADING	355.00 T/H	PM	7.8000 LB/H	SURFACTANT RESID.-SHIELDS(NOTE#2)	85.00
RECRUSH/SCREEN	90.00 T/H	PM	1.1000 LB/H	H2O SURFACTANT & FILLER BAGS	99.50

NOTES --------
OPERATIONS LIMITED TO 1760 H/YR. WATER FOR SURFACTANT SYS TO BE FROM CITY WATER SUPPLY ONLY / OFFSETS OBTAINED FROM ADJACENT Q
UARRY / LAER IMPOSED BECAUSE OF NON-ATTAINMENT STATUS. 1) ALSO STOCKPILE AREA & VEHICLE ROADS AREAS
HARD SURFACED. 2)GUARANTEED. CONTROL EFFICIENCIES AT SECONDARY CRUSHER ARE BASED ON APPLICANT'S STATEMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 400.00 T/H

COMPANY NAME/SITE LOCATION: WALDRON CRUSHED STONE CO. — WALDRON, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(73)1478
DETERMINATION MADE BY: INDIANA APCD (AGENCY) — TED SOWDERS (AGENCY CONTACT PERSON) — (317)-633-0665 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/21/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY & SECONDARY CRUSHER	400.00 T/H	PM	117.0000 T/YR	DUST SUPPRESSION SYS.	80.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION: CONOCO, INC. , OH

NOBLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 06-552
DETERMINATION MADE BY: EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/23/81
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GASIFIER					
		SO2	1.6000 LB/MMBTU	SEE NOTES	
		PM	0.0600 LB/MMBTU	BAGHOUSE	99.90
		NOX	0.6000 LB/MMBTU		

NOTES --------
< .5% S IN FUEL OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER C:-0004

SOURCE TYPE CODE 9.18

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION: TENNESSEE EASTMAN CO. KINGSPORT, TN SULLIVAN COUNTY

DETERMINATION IS B/L
PERMIT NO.
DETERMINATION MADE BY: TENNESSEE APCD (AGENCY) ANN NIELSON (AGENCY CONTACT PERSON) (615)-741-3651 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/12/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFUR RECOVERY	160429.00 LB/H				
		CO	0.6300 LB/H	FLASH & DISTIL. COLUMNS	BACT 90.00
		VOC	0.4500 LB/H	INCINERATION	LAER 99.00
GASIFIER	340904.00 LB/H				
		CO	0.5600 LB/H	WASTE WATER CLARIFER	BACT 99.00
		H2S	0.0085 LB/H	WASTE WATER CLARIFER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER TN-0008

SOURCE TYPE CODE 9.18

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION: TENNESSEE EASTMAN CO. KINGSPORT, TN SULLIVAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: TENNESSEE APCD (AGENCY) ANN NIELSON (AGENCY CONTACT PERSON) (615)-741-3651 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/24/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2	780.00 MMBTU/H EA				
		PM	0.0360 LB/MMBTU	ESP	LAER 99.60
		SO2	1.2000 LB/MMBTU	0.71% S FUEL	BACT
		NOX	0.6000 LB/MMBTU		BACT
		VOC	0.0260 LB/MMBTU	EMISSION OFFSET	LAER
		CO	0.0650 LB/MMBTU		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER TN-0014

SOURCE TYPE CODE 9.18

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: MINING OPERATIONS — 6.00 MMT/YR

COMPANY NAME/SITE LOCATION: SHELL OIL CO.-BUCKSKIN MINE , WY — CAMPBELL COUNTY

DETERMINATION IS BACT
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VIII (AGENCY); JOHN DALE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/04/80
ESTIMATED DATE OF START-UP--
(303)-837-3763 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SURFACE MINE	6.00 MMT/YR	PM	MGM'T PRACTICES	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 30.00 T/H

COMPANY NAME/SITE LOCATION: AM MATERIALS CONSTRUCTION — EAU CLAIRE, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-18-007
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DONALD WHITE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/02/80
ESTIMATED DATE OF START-UP--
(715)-836-4268 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAND DRYER					
		PM	6.4000 LB/H MAX	BAGHOUSE	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1985

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 130.00 T/H

COMPANY NAME/SITE LOCATION: AMSELCO COAL, FULTON MINE — MILCROOK, IN — FOUNTAIN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(23)1470
DETERMINATION MADE BY: INDIANA APCD (AGENCY) — RICHARD WILLIAMSON (AGENCY CONTACT PERSON) — (317)-633-0663 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/28/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL MINING	130.00 T/YR			
TRUCK DUMP	270000.00 T/YR	PM		
		PM	6.7600 T/YR WET SUPPRESSION	90.00
SCREENS AND TRANSFER POINTS				
		PM	9.4600 T/YR WET SUPPRESSION	90.00
ROTARY BREAKER				
		PM	2.7000 T/YR WET SUPPRESSION	90.00
STOCK PILES				
		PM	4.0600 T/YR WET SUPPRESSION	90.00
LOADING				
		PM	6.6700 T/YR WET SUPPRESSION	90.00

NOTES --------
2080 HR/YR OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 75.00 T/H

COMPANY NAME/SITE LOCATION: BADGER MINING CORP. — FAIRWATER, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-08-24-023
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY); BRIAN GALLEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/27/80
ESTIMATED DATE OF START-UP--
(608)-266-9418 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAND DRYER		PM	0.0840 LB/MLB GAS	WET SCRUBBER	98.00
SAND STOCKPILES		FUG*		WET SUPPRESSION	

NOTES --------
WET SCRUBBER TO BE STACK TESTED, #2 FUEL OIL TO BE LESS THAN .3% S BY WEIGHT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 100.00 T/YR K-FUEL

COMPANY NAME/SITE LOCATION: ENERGY BROTHERS, INC. , WY — CAMPBELL COUNTY

DETERMINATION IS
PERMIT NO. CT-582
DETERMINATION MADE BY: WYOMING AGD (AGENCY); BERNIE DAILEY (AGENCY CONTACT PERSON); (307)-777-7391 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/10/84
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL HANDL TRANSFER PT, 2	26.00 T/H				
		PM	0.0200 GR/DSCF	BAGHOUSES	BACT
COMBUSTION UNIT	32.00 MMBTU/H				
		NOX	0.2000 LB/MMBTU		SIP
SO2 FLUE GAS COMB. VENT		SO2	30.7000 LB/H	LO-CAT	BACT 90.00

NOTES --------
PERMITTED AS 24 MONTH, MAX, PILOT PLANT OPERATION. UPGRADE COAL TO HIGH BTU, LOW S COAL PRODUCT, K-FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: GENERAL CASTING CORP. — WAUKESHA, WI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. NAA-03-80-68-041
DETERMINATION MADE BY: EPA REGION V (AGENCY) — BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/06/80
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAND HANDLING SYSTEM					
		PM	0.0800 LB/MLB GAS	BAGHOUSES	LAER 99.20

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: LONE STAR POLYMER CONCRETE CO. NORFOLK, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 60230
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY); PAUL PITTS (AGENCY CONTACT PERSON); (804)-786-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/21/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POLYMER CONCRETE MIXER	4.20 T/H	VOC	11.7000 LB/H 9.9000 T/YR		
		PM		BAGHOUSE	99.00

NOTES --------
VOC LIMIT IS 11.7 LB/H , 9.9 T/YR.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 300.00 T/H

COMPANY NAME/SITE LOCATION: MELWIRE TRADING CO., INC., 1155 TERMINAL ST — SAN DIEGO, CA

DETERMINATION IS
PERMIT NO. 6549
DETERMINATION MADE BY: SAN DIEGO APCD (AGENCY) — JUDY LAKE (AGENCY CONTACT PERSON) — (619)-565-5908 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/01/82
ESTIMATED DATE OF START-UP-- 19[illegible]

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROC[illegible]
CEMENT REC. HOPPER	150.00 T/H			
		PM	0.0100 GR/SCF	2 MIKRO-POL MOD [illegible] ATH
		VE	20.0000 % OPACITY, <3 MIN/H	
CEMENT REC. HOPPER	150.00 T/H			
		PM	0.0100 GR/SCF	2 MIKRO-POL MO[illegible]
		VE	20.0000 % OPACITY, <[illegible]H	

NOTES --------
FACILITY PERVIOUSLY CONTROLLED BY OPERATING PROCEDURES. EFFICIENCY IS FOR OVERALL [illegible] OF BAGHOUSE
ENCY OF BAGHOUSE IS RATED AT 99.9% FOR CONTROL OF CEMENT DUST. CONTROL EQUIPMENT [illegible]
CAPTURE - 98%, COLLECTION - 99.9%, OVERALL - 98.8%, ACFM - 22000. AT 68F. FABRI[illegible] DATA--
ULSE-AIR, FABRIC - FELT, FILTER VEL. - 0.097 FT/S, DELTA P - <6 IN. H2O.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 250.00 T/H

COMPANY NAME/SITE LOCATION: MULLITE CO. — ANDERSONVILLE, GA — SUMTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. GA 064
DETERMINATION MADE BY: GEORGIA EPD (AGENCY) — BILL MITCHELL (AGENCY CONTACT PERSON) — (404)-656-6900 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/07/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILNS	250.00 T/YR	PM	9.4200 LB/H LOW SULFUR COAL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: PATRICK COAL CORP. CHESAPEAKE, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 61010
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) PAUL PITTS (AGENCY CONTACT PERSON) (804)-786-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/08/83
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAIL CAR DUMPER	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
CONVEYORS	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
SHIP LOADING	6100.00 T/H	VE	20.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
STACKER	2100.00 T/H	VE	10.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
RECLAIMER	4000.00 T/H	VE	10.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
TRANSFER POINTS	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00

NOTES --------
THIS SOURCE IS A COAL TERMINAL THAT UNLOADS RAIL CARS TO SHIPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 200750.00 T/YR

COMPANY NAME/SITE LOCATION: PPG INDUSTRIES — SHELBY, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-056
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY); MIKE SEWELL (AGENCY CONTACT PERSON); (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/03/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATERIAL STORAGE	200750.00 T/YR				
		PM	1.7000 LB/H	BAGHOUSE + SILO	BACT 99.00
		SO2	6.2000 LB/H	LOW SULFUR	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: SW ELECT. POWER, 2700 ONE MAIN PL., DALLAS, TX 75250

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-130
DETERMINATION MADE BY: EPA REGION VI (AGENCY); JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/23/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIGNITE TRUCK UNLOAD HOPPER	29433.00 T/D	PM	7.4000 LB/H	WET SUPPRESION	50.00
LIGNITE DISCHARGE CHUTE	29433.00 T/D	PM	0.0800 LB/H	WET SUPPRES.& TELESCOPIC CHUTE	75.00
LIGNITE RECLAIMING	33600.00 T/D	PM	0.1600 LB/H	WET SUPPRES.& PART. ENCLOSURE	50.00
LIGNITE STORAGE PILES	57.40 LB/D	PM	2.3900 LB/H	COMPACTION	0.00
LIMESTONE CAR HOPPER	1892.00 T/D	PM	0.0800 LB/H	BAGHOUSE	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: ALABAMA KRAFT
P.O. BOX 940
PHENIX CITY, AL 36867
RUSSELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AL-067
DETERMINATION MADE BY: ALABAMA APCD (AGENCY); SUE ROBERTSON (AGENCY CONTACT PERSON); (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/29/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOODWASTE	436.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTICYCLONE & VENTURI SCRUBBER	NSPS 98.00
		SO2	0.8000 LB/MMBTU	FUEL BLENDING	NSPS
		NOX	0.3000 LB/MMBTU	COMBUSTION CONTROL	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 1000.00 ADTP/D

COMPANY NAME/SITE LOCATION: ALABAMA RIVER PULP CO., INC — CLAIBORNE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1-06-0010-X001 THRU*
DETERMINATION MADE BY: ALABAMA DEM (AGENCY); SUE ROBERTSON (AGENCY CONTACT PERSON); (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/06/75
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER	1086.00 ADTP/D				
		PM	0.0440 GR/DSCF AT 8% O2	ESP	99.60
		TRS	5.0000 PPM AT 8% O2	LOW ODOR BOILER	
		SO2			
		NOX			
		CO			
SMELT TANK	1086.00 ADTP/D				
		PM	0.2000 LB/T BLS	WET SCRUBBER	99.00
LIME KILN	1086.00 ADTP/D				
		PM	0.1300 GR/DSCF AT 10% O2	VENTURI SCRUBBER	99.50
DIGESTERS		TRS	5.0000 PPM AT 10% O2		
		TRS	0.5000 SEC AT 1200 F	INCINERATION-LIME KILN	
EVAPORATORS					
		TRS	0.5000 SEC AT 1200 F	INCINERATION-LIME KILN	
BROWN STOCK WASHERS					
		TRS	0.5000 SEC AT 1200 F	INCINERATION-RECOV. BOILER	
POWER BOILER	438.00 MMBTU/H				

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) ALABAMA RIVER PULP CO., INC

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.2300 GR/DSCF AT 50% EX. AIR	ESP & MULTICLONE	
		SO2	2033.0000 T/YR		98.50
		NOX	0.7000 LB/MMBTU		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 900.00 T/D ADP

COMPANY NAME/SITE LOCATION: BOWATER CAROLINA CO. — CATAWBA, SC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) P/C-46-210-R-1
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY) — DAVID FLEMING (AGENCY CONTACT PERSON) — (803)-758-5406 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/03/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY FURNACE	900.00 T/D ADP				
		PM	0.0440 GR/DSCF	ELECTROSTATIC PRECIPITATOR	99.00
		SO2	300.0000 PPM		
		TRS	5.0000 PPM	BL. LIQUOR NON-CONTACT EVAPOR.	
SMELT DISSOLVING TANK	30.00 T/H OF SMELT				
		PM	0.2000 LB/T BLS	WET SPRAY SCRUB. W/CYC. FLOW	
		TRS	0.0168 LB/T BLS	WET SPRAY SCRUB. W/CYC. FLOW	

NOTES --------
THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBER P/C-46-215

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 04/06/1984

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CHAMPION INTERNAT. CORP. QUINNESEC, MI

DICKINSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 33-80
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY) RANDAL TELEZ (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/17/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL-FIRED BOILER	812.50 MMBTU/H				
		PM	0.0600 LB/MMBTU		NSPS
				CYCLONE & ESP	99.70
		SO2	1.2000 LB/MMBTU		NSPS
				LESS THAN 1% SULFUR COAL	
		NOX	0.7000 LB/MMBTU		NSPS
REC. BOILER,BLACK LIQUOR FUEL	380000.00 LB/H				
		PM	0.0440 GR/DSCF		NSPS
				ESP	99.80
		TRS	5.0000 PPM BY VOL		
LIME KILN	280.00 T/D CAO				
		PM	0.0670 GR/DSCF		NSPS
				SCRUBBER	99.80
		TRS	8.0000 PPM BY VOL		NSPS
				SCRUBBER	99.80
		SO2	120.0000 LB/H		NSPS
SMELT DESOLVING TANK	2.86 MMLB/D BLS				
		PM	0.2000 LB/T BLS		NSPS
				SCRUBBER	99.00
		TRS	0.0108 LB/T		NSPS
				SCRUBBER	99.00
LIME, COAL, & ASH HANDLING & STW					
		PM	0.0300 GR/DSCF		NSPS
				WET SUPPRESSION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

(CONTINUED) CHAMPION INTERNAT. CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				

NOTES --------
TSP AND TRS LIMIT CORRECTED TO 10% O2 (LIME KILN) & TRS LIMIT BASED ON 12 HOUR AVG. TRS LIMITS -- LB/TON BLACK LIQUOR SOLIDS B
ASED ON DRY WT BASIS (SMELT DESOLVING TANK)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 659.00 MMBTU/H

COMPANY NAME/SITE LOCATION: CHESAPEAKE CORP. — WEST POINT, VA — KING WILLIAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80VA03
DETERMINATION MADE BY: EPA REGION III (AGENCY); BOB BLASZCZAK (AGENCY CONTACT PERSON); (215)-597-8186 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/07/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER,WOODWASTE	659.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTIPLE CYCLONE & ESP	NSPS 98.60
		SO2	0.8000 LB/MMBTU	LOW SULFUR FUEL	NSPS
		NOX	0.3000 LB/MMBTU	GOOD DESIGN AND OPERATION	NSPS
		CO	0.2300 LB/MMBTU	GOOD DESIGN AND OPERATION	NSPS
		VOC	0.2300 LB/MMBTU	GOOD DESIGN AND OPERATION	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CHESAPEAKE CORP. — WEST POINT, VA — KING WILLIAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 40126
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) — PAUL PITTS (AGENCY CONTACT PERSON) — (804)-786-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/10/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN	140.00 LB/D	PM	88.6000 T/YR 0.1300 GR/DSCF AT 10% O2	VENTURI SCRUBBER	99.10
		TRS	5.1100 T/YR 8.0000 PPM AT 10% O2		
		SO2		RATE BASED ON STACK TEST RESULTS	
		CO		RATE BASED ON STACK TEST RESULTS	
		VOC		RATE BASED ON STACK TEST RESULTS	
		NOX		RATE BASED ON STACK TEST RESULTS	

NOTES --------
PM LIMIT IS 88.6 T/YR , 0.1300 GR/DSCF. TRS LIMIT IS 5.11 T/YR , 8.0 PPM AT 10% O2

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CONTAINER CORP. OF AM
P.O. BOX 709
BREWTON, AL
ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AL-061
DETERMINATION MADE BY: ALABAMA APCD (AGENCY); SUE ROBERTSON (AGENCY CONTACT PERSON); (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/21/79
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD FIRED	511.50 MMBTU/H				
		PM	51.1500 LB/H 100% COAL		
			60.8000 LB/H 100% WOOD		NSPS
				ESP	
		SO2	613.2500 LB/H 100% COAL		99.10
			60.8000 LB/H 100% WOOD		NSPS
				0.75% S FUEL	
		NOX	350.0000 LB/H 100% COAL		
			426.0000 LB/H 100% WOOD		NSPS
				COMBUSTION CONTROL	

NOTES --------
WOOD CAPACITY 608.0 MMBTU/H, CONTROL EFFICIENCY - 98.28%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CONTAINER CORP. OF AM
NORTH EIGHTH STREET
FERNANDINA BEACH, FL 32034
NASSAU COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-062
DETERMINATION MADE BY: FLORIDA DER (AGENCY) — BOB KING (AGENCY CONTACT PERSON) — (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/13/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD WASTE	1021.00 MMBTU/H				
		PM	472.0000 T/YR	ESP	NSPS 99.00
		SO2	5363.0000 T/YR	LOW SULFUR COAL (.75%)	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 2300.00 T/D ADP

COMPANY NAME/SITE LOCATION: FEDERAL PAPER BOARD CO., INC. — RIEGELWOOD, NC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 3441R9
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-7015 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/03/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
BOILER, POWER, #5, BARK/COAL/OI*	600.00 MMBTU/H BARK		
		PM	0.1600 LB/MMBTU COAL
			0.0500 LB/MMBTU OIL
			VENTURI SCRUBBER
		SO2	0.8000 LB/MMBTU COAL
			0.8000 LB/MMBTU OIL
			VENTURI SCRUBBER
		NOX	0.4000 LB/MMBTU COAL
			0.3600 LB/MMBTU OIL
			LOW EXCESS AIR/STAGED COMBUSTION

NOTES --------
ADDITIONAL EMISSION LIMITS --- PM, 0.25 LB/MMBTU BARK -- SO2, 0.02 LB/MMBTU BARK -- NOX, 0.35 LB/MMBTU BARK.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/19/1984

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 1095.00 MMBTU/H

COMPANY NAME/SITE LOCATION: FEDERAL PAPERBOARD CO. — RIEGELWOOD, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-081
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/31/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	1095.00 MMBTU/H				
		PM	0.0440 GR/CF	WET BOTTOM ESP	BACT
		SO2	979.0000 T/H	COMBUSTION CONTROLS	BACT
SMELT DISSOLVING TANKS	1000.00 T/D ADP				
		PM	0.2000 LB/T BLS	WET SCRUBBERS	BACT
		SO2	0.0660 LB/H	DUCON SCRUBBERS	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 2300.00 T/D ADP

COMPANY NAME/SITE LOCATION: FEDERAL PAPERBOARD CO. — RIEGELWOOD, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4924
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/07/82
ESTIMATED DATE OF START-UP-- 1984
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER BOILER NO.6	771.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	NSPS 99.15
		SO2	1.2000 LB/MMBTU COAL		NSPS
			0.8000 LB/MMBTU OIL	LOW SULFUR COAL/OIL	
		NOX	0.7000 LB/MMBTU COAL		NSPS
			0.3000 LB/MMBTU OIL	CONTROL OF COMBUSTION COND.	
		NOX	0.2000 LB/MMBTU GAS		NSPS
		CO	0.0500 LB/MMBTU COAL		AP42
LIME KILN NO.4	971.00 T/D ADP				
		PM	0.1000 GR/DSCF 10% O2	WET VENTURI SCRUBBER	NSPS 97.60
		SO2	8.1000 LB/H	MATERIAL BALANCE	AP42
		NOX	40.5000 LB/H		AP42
		CO	405.0000 LB/H		AP42
BROWN STOCK WASHERS NO.5	860.00 T/D ADP				
		SO2	16.2000 LB/H	INCIN. TRS IN POWER BOILER #6	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: GEORGIA-PACIFIC CORP. , LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-0041
DETERMINATION MADE BY: EPA REGION VI (AGENCY); TOM DIGGS (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD-FIRED BOILER	272.00 MMBTU/H	PM	24.7000 LB/H 0.0090 LB/MMBTU	M-CLONE MECH COLL & WET SCRUB	BACT 95.00
		NOX	26.7000 LB/H 0.1000 LB/MMBTU	F.G. O2 MON,CNTRL OF A/F RATIO	BACT
		CO	25.0000 LB/H 0.0900 LB/MMBTU	F.G. O2 MON,CNTRL OF A/F RATIO	BACT

NOTES --------
LIMITED TO A WOOD/BARK FIRING RATE OF 30.2 TONS/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: GEORGIA-PACIFIC CORP.
P.O. BOX 105041 ATLANTA, AR 30348
CROSSETT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AR 317
DETERMINATION MADE BY: EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/19/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	211.20 MMBTU/H				
		NOX	26.0000 LB/H		
			0.1200 LB/MMBTU		BACT
				NONE	
		CO	24.0000 LB/H		
			0.1100 LB/MMBTU		NSPS
				AIR/FUEL RATIO CONTROLS	

NOTES --------
BACT ANALYSIS NOT REQUIRED FOR NOX BECAUSE THERE WAS NO NET INCREASE IN EMISSIONS. HOWEVER EMISSION LIMITS WERE PRESENTED FOR THIS POLLUTANT. A WOOD/BARK MIXTURE OF 26.7 TONS PER HOUR WILL BE FIRED IN EACH BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 691.00 MMBTU/H

COMPANY NAME/SITE LOCATION: GILMAN PAPER CO.
MILL AT ST. MARYS — ST. MARYS, GA 31558
CAMDEN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. GA-071
DETERMINATION MADE BY: GEORGIA EPD (AGENCY) — BILL MITCHELL (AGENCY CONTACT PERSON) — (404)-656-6900 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/29/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOODWASTE	587.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	BACT 90.00
		SO2	1.2000 LB/MMBTU	WET SCRUBBER	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 750.00 T/D

COMPANY NAME/SITE LOCATION: HAMMERMILL PAPER — RIVERDALE, AL 36701 — DALLAS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AL-062
DETERMINATION MADE BY: ALABAMA APCD (AGENCY) — SUE ROBERTSON (AGENCY CONTACT PERSON) — (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/26/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER #2	737.00 MMBTU/H				
		PM	66.2000 LB/H	ESP	NSPS 99.60
		SO2	1901.0000 T/YR	BOILER DESIGN & OPERATION	BACT
		NOX	114.2000 LB/H	BOILER DESIGN AND OPERATION	BACT
		CO	456.6000 LB/H	BOILER DESIGN & OPERATION	BACT
		TRS	5.0000 PPM AT 8% O2	BOILER DESIGN & OPERATION	NSPS
LIME KILN					
		TRS	8.0000 PPM AT 10% O2	EQUIPMENT OPERATION	NSPS
		PM	0.0670 GR/DSCF AT 10% O2, GASOUS FUEL 0.1300 GR/DSCF AT 10% O2, LIQ. FUEL	SCRUBBER	NSPS
		SO2	111.0000 T/YR	EQUIPMENT OPERATION	98.70 BACT
SMELT DISSOLVING TANK	56.25 T/H BLS				
		PM	0.2000 LB/T BLS	SCRUBBER	NSPS 94.00
		SO2	11.4000 LB/H	RECOVERY BOILER OPERATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) HAMMERMILL PAPER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		TRS	0.0168 LB/T BLS	RECOVERY BOILER OPERATION	NSPS
BATCH DIGESTERS #6, #7 & #8					
		TRS	0.5000 SEC AT 1200 F	INCINERATION	
BROWN STACK WASHER #2					
RECOVERY BOILER #1	382.00 MMBTU/H	TRS	11.0000 LB/H		
		TRS	20.0000 PPM		
		PM	4.0000 LB/ADTP	ESP	
		SO2	272.0000 LB/H		

NOTES --------
RECOVERY BOILER #1 -- EXISTING BOILER WAS CONVERTED FROM CONVENTIONAL TO "LOW ODOR" DESIGN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 800.00 ADTP/D

COMPANY NAME/SITE LOCATION: INDEPENDENT KRAFT CORP. — TUSCALOOSA, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 413-0025-X001 THRU *
DETERMINATION MADE BY: ALABAMA DEM (AGENCY) — SUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/83
ESTIMATED DATE OF START-UP--
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER	763.00 ADTP/D				
		PM	0.0440	GR/DSCF AT 8% O2	
				ESP	99.10
		SO2	391.0000	LB/H	
		NOX	31.8000	LB/H	
		CO	63.6000	LB/H	
		TRS	0.5000	PPM AT 8% O2	
				LOW ODOR BOILER	
LIME KILN	763.00 ADTP/D				
		PM	0.0670	GR/DSCF AT 10% O2,GAS	
			0.1300	GR/DSCF AT 10% O2,FUEL OIL	
				VENTURI WET SCRUBBER	98.70
		SO2	6.4000	LB/H	
		NOX	31.8000	LB/H	
		CO	318.0000	LB/H	
		TRS	8.0000	PPM AT 10% O2	
SMELT TANK	763.00 ADTP/D				
		PM	0.2000	LB/T BLS	
				CYCLONIC SCRUBBER	95.00
		SO2	3.1800	LB/H	
		TRS	0.0168	LB/T BLS	
CONTINOUS DIGESTER	763.00 ADTP/D				
		TRS	0.5000	SEC AT 1200 F	
				INCINERATION	
MULTIPLE EFFECTS EVAPORATORS	763.00 ADTP/D				

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		TRS	0.5000	SEC AT 1200 F INCINERATION	
BROWN STOCK WASHER	763.00 ADTP/D				
		TRS	0.5000	SEC AT 1200 F INCINERATION	
CONDENSATE STRIPPER	763.00 ADTP/D				
		TRS	0.5000	SEC AT 1200 F INCINERATION	
GENERATOR, FOSSIL FUEL STEAM	495.00 MMBTU/H				
		PM	0.1000	LB/MMBTU MULTICLONE & ESP	98.90
		SO2	1.2000	LB/MMBTU	
		NOX	0.7000	LB/MMBTU	
		CO	117.0000	LB/H	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 683.40 MMBTU/H

COMPANY NAME/SITE LOCATION: INTERNATIONAL PAPER CO. — CAMDEN, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78-AR-1
DETERMINATION MADE BY: ARKANSAS DPC (AGENCY) — MIKE PORTA (AGENCY CONTACT PERSON) — (501)-562-7444 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/05/82
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM BOILER	683.40 MMBTU/H	SO2	820.0000 LB/H	FUEL BLENDING	
		NOX	480.0000 LB/H	TWO STAGE COMBUSTION	
		CO	70.0000 LB/H	OXYGEN CONTROL	
		PM	0.1000 LB/MMBTU	ESP	99.50

NOTES --------
TSP WAS NOT SUBJECT TO BACT - HOWEVER, IT WAS SUBJECT TO THE "BEST CURRENTLY AVAILABLE CONTROL TECHNOLOGY" UNDER ARKANSAS LAW.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: INTERNATIONAL PAPER CO. — NOBLE, LA 71462 — SABINE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-295
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — JOHN BENHAM (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/18/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	760.00 MMBTU/H				
		NOX	0.6900 LB/MMBTU COAL 0.2000 LB/MMBTU GAS	LOW EXCESS AIR	BACT
		NOX	0.3000 LB/MMBTU OIL	LOW EXCESS AIR	BACT
		CO	0.15(*) LB/MMBTU	EFFICIENT OPERATION	BACT

NOTES --------
CO EMISSION LIMITS WILL BE ADJUSTED BASED ON COMPLIANCE TESTING BY CO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 346.00 MMBTU/H

COMPANY NAME/SITE LOCATION: INTERSTATE PAPER CORP. — RICEBORO, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2631-089-8091
DETERMINATION MADE BY: GEORGIA EPD (AGENCY); DAVID WEAVER (AGENCY CONTACT PERSON); (404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/16/82
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	346.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				VENTURI SCRUBBER	92.00
		SO2	0.3000 LB/MMBTU		
				ALKALINE PACKED SCRUBBER	50.00
		NOX	0.3000 LB/MMBTU		NSPS
				FURNACE, BURNER DESIGN	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 1000.00 T/D

COMPANY NAME/SITE LOCATION: KIRBY FOREST INDUSTRIES — BON WIER, TX 75928 — NEWTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. TX-231
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — GEORGE KENNEDY (AGENCY CONTACT PERSON) — (214)-767-2742 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/14/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER BOILER	530.00 MMBTU/H				
		PM	53.0000 LB/H		
			0.0100 LB/MMBTU		NSPS
				MECHANICAL COLLECTOR	
		SO2	636.0000 LB/H		99.50
			1.2000 LB/MMBTU		NSPS
				LOW S COAL, 1.2 LB/MMBTU	
		NOX	371.0000 LB/H		
			0.7000 LB/MMBTU		NSPS
				LOW NOX BURN./CONTIN. O2 MON	
		CO	3.1200 LB/H		
			0.0600 LB/MMBTU		BACT
				CONTIN. O2 MONITORING	
RECOVERY BOILER	935.00 MMBTU/H				
		PM	83.4000 LB/H		
			0.0900 LB/MMBTU		NSPS
				WET BOTTOM ESP	
		SO2	434.0000 LB/H		98.90
			0.4600 LB/MMBTU		BACT
		NOX	67.8000 LB/H		
			0.0730 LB/MMBTU		BACT
				LOW NOX BURN./CONTN. O2 MON	
		CO	82.6000 LB/H		
			0.0900 LB/MMBTU		BACT
				CONTIN. O2 MONITORING	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) KIRBY FOREST INDUSTRIES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		TRS	6.1000 LB/H 0.0070 LB/MMBTU		NSPS
SMELT TANK	#46806.00 LB/D			CAUSTIC SCRUB. SYS	98.00
		PM	14.1000 LB/H		NSPS
				CAUSTIC SCRUB. SYS	98.00
LIME KILN	275.00 T/D CAO	TRS	1.2000 LB/H		
		PM	51.7000 LB/H		NSPS
				CAUSTIC SCRUB. SYS	98.00
		SO2	86.7000 LB/H		BACT
				L.S.F.O(.7% MAX)	
		NOX	3.3000 LB/H		BACT
				LEA FIRING	
		CO	41.7000 LB/H		BACT
				LEA FIRING	
SLAKER SCRUB	275.00 T/D CAO	TRS	3.5000 LB/H		NSPS
		PM	2.7000 LB/H		BACT
				SCRUBBER	99.50
LIMESTONE RECEIVING	220.00 T/2WKS	PM	0.2000 LB/H		BACT
				CYCL. SEPERATOR & FAB. FILTER	99.00
SALT CAKE RECEIVING	490.00 T/2WKS	PM	0.2000 LB/H		BACT
				CYCL. SEPERATOR & FAB. FILTER	
RECHIPPER CYCLONE	5000.00 CF/M	PM	7.5000 LB/H		BACT
				CYCLONE	95.00

NOTES --------
CONTROL OF FUGITIVE PART. EMISSIONS: 1) ALL CONVEYOR & TRANSFER POINTS IN MILL TOTALLY ENCLOSED, 2)COAL PILE - APPLICATION OF CHEMICAL & H2O STABLIZER BY MANUFACTURER'S RECOMMENDATION TO MINIMIZE PART. EMISSIONS, 3)COAL CAR UNLOALING - DRIVE THROUGH ENCLOUSURE, 4)COAL CONVEYING - ENCLOSED SYSTEM, 5)COAL TRANSFER POINTS DESIGNED W/HOODS, COVERS OR CANOPIES AND WET SUPPRESSION SYSTEM (H2O AND CHEMICAL APPLIED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION TO MINIMIZE PART. EMMISIONS.

(#) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 650.00 T/D

COMPANY NAME/SITE LOCATION: LEAP RIVER FOREST — NEW AUGUSTA, MS — PERRY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MS 035
DETERMINATION MADE BY: MISSISSIPPI DNR (AGENCY) — DWIGHT WILEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/14/80
ESTIMATED DATE OF START-UP--
(601)-354-2550 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER					
		PM	0.0440 GR/DSCF	DRY COLLECTION & SCRUBBER	BACT
		SO2	458.0000 LB/H		99.00
			300.0000 PPM		BACT
		TRS	5.0000 PPM AT 8% FUEL	CONTROL S CONTENT OF FUEL	
SMELT DISSOLVING TANK				BOILER OPERATION	BACT
		PM	0.3000 LB/T ADP	DRY COLLECTOR & SCRUBBER	BACT
		TRS	0.1680 LB/T BLS		99.00
LIME KILN				EQUIPMENT OPERATION	NSPS
		PM	0.1300 GR/DSCF	DRY COLLECTOR & SCRUBBER	NSPS
		TRS	8.0000 PPM		99.00
BOILER, BARK & COAL FIRED	350000.00 LB/H			EQUIPMENT OPERATION	NSPS
		PM	0.1000 LB/MMBTU	DRY COLLECTOR & SCRUB.(ALKA.)	BACT
		SO2	0.6300 LB/MMBTU	CONTROL SULFUR CONTENT OF FUEL	99.00
		NOX	0.7000 LB/MMBTU	BOILER OPERATION	BACT 90.00 BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) LEAP RIVER FOREST

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 2580.00 T/D ADP

COMPANY NAME/SITE LOCATION: LONGVIEW FIBRE — LONGVIEW, WA

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. DE 80-602
DETERMINATION MADE BY: WASHINGTON DOE (AGENCY); GEORGE HOUCK (AGENCY CONTACT PERSON); (206)-459-6032 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/12/80
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KRAFT RECOVERY FURNACE #22	1100.00 T/D ADP				
		NOX	45.8000 LB/H	SECONDARY AIR	BACT
		PM	0.0400 GR/DSCF	ESP	99.30
		VE	25.0000 %, 6 MIN PERIOD		
		CO	91.7000 LB/H		
		VOC	45.8000 LB/H		BACT
		TRS	5.0000 PPM		BACT
				NON-DIRECT CONTACT EVAP.	BACT
SMELT TANK #22	1100.00 T/D ADP				
NEW DIGESTER & WASHERS		TRS	0.0168 LB/T LIQUOR FIRED		
LIME KILN	112000.00 T/YR	TRS	8.0000 PPM		BACT
		PM	0.0350 GR/DSCF GAS		
			0.0700 GR/DSCF OIL		
				ESP	99.80
		TRS	8.0000 PPM 12H AV		
		VE	25.0000 %, 6 MIN PERIOD		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 477.00 MMBTU/H

COMPANY NAME/SITE LOCATION: LOUISANA-PACIFIC BOILER — ANTIOCH, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 27440
DETERMINATION MADE BY: BAY AREA AQMD (AGENCY); LEW POTTER (AGENCY CONTACT PERSON); (415)-771-6000 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/23/80
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD WASTE FIRED	477.00 MMBTU/H				
		PM	17.0000 LB/H	MUTLICYCLONE, ESP	BACT 99.70

NOTES --------
FILE A 310-005. 10-15% OPACITY ON OIL. BOILER WILL ALSO BURN 10-15% LOW SULFUR FUEL OIL, 0.5% S.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

[illegible] KRAFT PULP MILLS

[illegible] OLDKRAFT WEST MONROE, LA

QUACHITA PARISH

[illegible] IS BACT FOR A NEW SOURCE.
[illegible] (REGION FILE NO.) PSD-LA-037
[illegible] EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

[illegible] SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] MMBTU/H			
		PM	0.1000 LB/MMBTU LOW ASH FUEL	BACT
		SO2	0.7300 LB/MMBTU LOW SULFUR FUEL (0.7 %)	BACT

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] INDICATES ENTUR AND TRUNCATED FOR THIS TABLE.

[illegible] ID NUMBER LA-0037 SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

[illegible] KRAFT PULP MILLS 882.00 MMBTU/H

[illegible] PORT ST. JOE PORT ST. JOE, FL 32452
US HIGHWAY 98 GULF COUNTY

[illegible] NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/18/82
[illegible] ESTIMATED DATE OF START-UP-- 1983
[illegible] FLORIDA DER ED PALAGYI (904)-488-1344
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible]	PM	75.6[illegible] LB/H		NSPS
				MULTICLONE-WET SCRUBBER	98.60
		SO2	604.8000 LB/H		NSPS
				WET SCRUBBER-CAUSTIC	95.00
		NOX	226.8000 LB/H		NSPS
				EQUIPMENT OPERATION	
		CO	25.2000 LB/H		NSPS
				EQUIPMENT OPERATION	
[illegible]	[illegible]	PM	88.2100 LB/H		NSPS
				MULTICLONE-WET SCRUBBER	98.60
		SO2	705.7000 LB/H		NSPS
				WET SCRUBBER-CAUSTIC	95.00
		NOX	264.0000 LB/H		NSPS
				EQUIPMENT OPERATION	
		CO	25.2000 LB/H		NSPS
				EQUIPMENT OPERATION	

[illegible]
[illegible]

[illegible] INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

[illegible] ID NUMBER FL-[illegible] SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 90.00 T/H BLS

COMPANY NAME/SITE LOCATION: POTLATCH — LEWISTON, ID

DETERMINATION IS BASIS FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: IDAHO AQB (AGENCY) — CLINT AYER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/83
ESTIMATED DATE OF START-UP-- 1986
(208)-334-5360
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER TANK	90.00 T/H BLS				
		PM	11.4000 LB/H SEE NOTE 1	WET SCRUBBER	
RECOVERY BOILER	90.00 T/H BLS				
		PM	58.0000 LB/H SEE NOTE 2		
			0.0300 GR/DSCF		
				ESP	
		SO2	450.0000 LB/H SEE NOTE 6		99.70
			200.0000 PPM		
		CO	1223.0000 LB/H		
		NOX	321.0000 LB/H SEE NOTE 3		

NOTES ---------
NOTE 1 = VENDOR GUARANTEE. NOTE 2 = SPECIFIED BY POTLATCH TO MEET OFFSET REQUIREMENTS. 3.VENDOR GUARANTEES MAX. RATE. 4.BEST A VAILABLE GUARANTEE. STANDARD IS 70 F INSTEAD OF 32 F. 5.BACT APPARENTLY EQUAL TO LAER, DUE TO VENDOR MILLIGRAMS TO GUARANTEE <0.03 GR/DSCF. 6.VENDORS GUARANTEE 250 - 300 PPM. STATE LIMIT IS 200 PPM (NSPS), OPERATING EXPERIENCE INDICATED LOWER BY FACTOR OF 10.

(A) SUBCLAUSE SAVED AND TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

PAGE 8-1112 — ID NUMBER ID-0083 — SOURCE TYPE CODE 10.1

[redacted] -- DETAILED SOURCE LISTING

05/21/1985

[redacted] KRAFT PULP MILLS 45.80 T/H ADP

[redacted] SCOTT PAPER
[redacted] P.O. BOX [redacted] MOBILE, AL 36601
MOBILE COUNTY

[redacted]
[redacted]
[redacted] ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/15/81
ESTIMATED DATE OF START-UP--
(205)-830-6570 (PHONE)

[redacted]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[redacted]	[redacted]	PM	[redacted]	ESP PLUS MULTICLONE	NSPS 99.00
		SO2	1014.0000 LB/H	FUEL S CONTENT	NSPS
		NOX	0.7000 LB/MMBTU	EQUIPT. DESIGN & OPERATION	NSPS
[redacted]	1188.00 T/D ADP				
		PM	0.0440 GR/DSCF	ESP	NSPS 99.00
		TRS	5.0000 PPM	EQUIPMENT OPERATION & CONTROL	NSPS
		SO2	344.0000 LB/H 1003.0000 T/YR	EQUIPMENT OPERATION & DESIGN	BACT
		NOX	242.0000 LB/H 402.0000 T/YR	EQUIPMENT OPERATION	BACT
		CO	770.0000 LB/H	EQUIPMENT OPERATION	BACT
[redacted]	770.00 T/D				
		PM	20.0000 % OPACITY	ENCLOSURE	NSPS
[redacted]	45.00 T/H				

[redacted] DESIGNATED DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

[illegible]

[illegible] PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible] PROCESS [illegible]					
		PM	0.2000 LB/T BLS		NSPS
				WET SCRUBBER	88.00
		TRS	0.0168 LB/T BLS		NSPS
				EQUIPMENT DESIGN	
		SO2	4.6000 LB/H		BACT
[illegible]				BOILER OPERATION	
		TRS	0.5000 SEC AT 1200 F		
				INCINERATION	

[illegible] INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

[redacted] KRAFT PULP MILLS

[redacted] SIMPSON LEE PAPER CO. ANDERSON, CA

SHASTA COUNTY

[redacted] SAC-82-01

[redacted] EPA REGION IX (AGENCY)

MATT HABER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/15/82
ESTIMATED DATE OF START-UP--
(415)-974-8209 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[redacted]	33.00 MW				
		NOX	92.0000 LB/H ANNUAL AV	H2O INJECT. & CONTINIOUS EMIS MONITOR	BACT
		CO	100.0000 LB/H	PROPER COMBUSTION	BACT

[redacted]
[redacted] FOLLOWING PERFORMANCE OF SOURCE TESTS.

[redacted]

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

[redacted]

ID NUMBER CA-0032

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

[illegible]	KRAFT PULP MILLS	220.00 T/D
[illegible]	SIMPSON LEE PAPER CO.	ANDERSON, CA

[illegible] TO BUILT FOR A NEW SOURCE.
[illegible]
[illegible] BY: SHASTA COUNTY AFCD (AGENCY) — RICHARD BOOTH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/14/75
ESTIMATED DATE OF START-UP-- 1981
(916)-246-5674
(PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] GAL/M B.L.			
		PM	0.1500 GR/DSCF	
			ESP	99.00
		SOE		NSPS
		TRS		NSPS
		NOX		
		CO		

[illegible] INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] ID NUMBER CA-[illegible]A

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 220.00 T/D

COMPANY NAME/SITE LOCATION: SIMPSON LEE PAPER CO. — ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 80-AD-17
DETERMINATION MADE BY: SHASTA COUNTY APCD (AGENCY) — RICHARD BOOTH (AGENCY CONTACT PERSON) — (916)-246-5674 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/07/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT FFr
LIME KILN	10000.00 LB/H CACO3	PM	0.1500 GR/DSCF VENTURI SCRUBBER AT 10% CO2	95.00
		NOX		
		CO		

(*) DESIGNATES OUTPUT WAS TRUNCATED FOR THIS TABLE.

PAGE 0-0140

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER CA-0031D

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: ST REGIS PAPER CO.
HWY 29 CANTONMENT, FL 32833
ESCAMBIA COUNTY

DETERMINATION OF BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-068
DETERMINATION MADE BY: FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/26/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344 (PHONE)

EMISSION UNIT(S) SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BARK-COAL BOILER, UNIT #4	946.50 MMBTU/H COAL				
		SOZ	1.2000 LB/MMBTU	ALKALINE SCRUBBER	NSPS 82.00
BARK-COAL BOILER, UNIT #5	868.80 MMBTU/H COAL				
		SOZ	1.2000 LB/MMBTU 327.9000 LB/H	ALKALINE SCRUBBER	NSPS 82.00

NOTES:
CONVERTING FROM OIL TO COAL. COAL, GAS, OR WOODWASTE. COAL PRIMARILY. WHEN FIRING BARK, OIL, AND/OR GAS, UNIT #4 YIELDS 666.0 MMBTU/H.

(A) EMISSIONS DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

ID NUMBER FL-0002

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

[illegible] KRAFT PULP MILLS

[illegible] ST REGIS PAPER CO. CANTONMENT, FL

ESCAMBIA COUNTY

[illegible] PERMIT [illegible] SOURCE.
[illegible]
[illegible] PLORIDA DOR (AGENCY) DOR KING (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/26/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344
(PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible]	SO2	0.6400 LB/MMBTU	SCRUBBER LOW SULFUR FUEL	NSPS 20.00
		PM	0.1000 LB/MMBTU	CYC. VENTURI & WET SCRUBBER	NSPS 99.20

[illegible]
[illegible] LATER AT [illegible] DEL. [illegible] PERMITTED AS BARK FIRED, LATER PERMITTED TO BURN COAL, OIL, GAS, WOODWASTE. -- SEE ID FL-000 [illegible]

[illegible] SATUR AND [illegible] FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

[illegible] ID NUMBER FL-[illegible] SOURCE TYPE CODE 10.1

[redacted] 834.00 MMBTU/H

[redacted] BUCKSPORT, ME

[redacted] DATE OF PERMIT ISSUANCE-- 03/10/82
ESTIMATED DATE OF START-UP-- 1984
[redacted] ROBERT BALLEW (207)-289-2437
[redacted] (AGENCY CONTACT PERSON) (PHONE)

[redacted]	[redacted]	[redacted]	[redacted]	... & BASIS
[redacted]	[redacted]	[redacted]	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... PCT EFF
[redacted]		PM	COVERED DELIVERY,CONVEYING,STORAGE	
[redacted]		PM	DUST SUPPRESSION	
[redacted]		PM	PAVE & SWEEP	
[redacted]		PM	SWEEP ALL PAVED ROADS	
[redacted]		FUG*	COOPERATIVE VENTURE-TOWN & CO.	

[redacted] BACT TECHNOLOGY BASED FOR PM FOR BOILERS. 0.06 LB/MMBTU WOULD HAVE BEEN REQUIRED EXCEPT FOR SLUDGE CONTAINING CLAY THAT PROMPT [redacted] THE HIGHER 0.08 VALUE.

[redacted] TABULATION HAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS

814.00 MMBTU/H

[illegible] LOCATION: ST. BOSCO PAPER CO.

BUCKSPORT, ME

DETERMINATION OF BACT FOR A PROPOSED SOURCE.
PERMIT NO. [illegible]
DETERMINATION MADE BY: PAINE DEP (AGENCY)

JOHN CHANDLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/20/82
ESTIMATED DATE OF START-UP--
(207)-289-2437
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BIOMASS FUEL	814.00 MMBTU/H				
		PM	0.0800 LB/MMBTU	ESP	B/N
		SO2	1.2000 LB/MMBTU	0.8% S COAL	99.50 NSPS
		NOX			NSPS

(A) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST START[illegible]
REVIEW STATUS: 04/01/1983

[illegible]

ID NUMBER ME-0001

SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

[redacted] KRAFT PULP MILLS 2300.00 ADTP/D

[redacted] OREGON LUMP CORP. PRATTVILLE, AL

[redacted] DATE OF PERMIT ISSUANCE-- 11/15/77
ESTIMATED DATE OF START-UP-- 1980
[redacted] (205)-836-6570
[redacted] (AGENCY CONTACT PERSON) (PHONE)

[redacted]	[redacted]	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... E BASIS ... PCT EFF
[redacted]	[redacted]	PM	0.1000 LB/MMBTU ESP	99.70
		SO2	1.2000 LB/MMBTU	
		NOX	0.7000 LB/MMBTU	
		CO		
[redacted]	[redacted]	PM	0.0440 GR/DSCF AT 8% O2 ESP	99.81
		TRS	5.0000 PPM AT 8% O2 LOW ODOR BOILER	
		SO2		
		NOX		
		CO		
[redacted]	[redacted]	PM	0.2000 LB/T BLS WET SCRUBBER	
		TRS	0.0560 LB/T BLS	
		SO2		
[redacted]	[redacted]	PM	0.0570 GR/DSCF AT 10% O2, GAS 0.1300 GR/DSCF AT 10% O2,FUEL OIL VENTURI WET SCRUBBER	
		SO2		
		NOX		

[redacted] INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[redacted] ID NUMBER AL-0019 SOURCE TYPE CODE 10.1

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	... A BASIS ... PCT EFF
[illegible]			CONTROL EQUIPMENT OR PROCESS MODIFICATION	
[illegible]				
		[illegible]		
[illegible]		TPD	[illegible]	
		TPD	[illegible]	
[illegible]		TPD	[illegible]	
[illegible]		TPD	[illegible]	
[illegible]	[illegible]			
		PUBM		NOPS
			WET SUPPRESSION	

[illegible]

INITIAL REVIEW POST STARTUP
REVIEW STATUS: [illegible]

[illegible]

SOURCE TYPE CODE 10.1

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 1055.00 MMBTU/H

COMPANY NAME/SITE LOCATION: UNION CAMP CORP.
P.O. BOX 570
SAVANNAH, GA 31402
CHATHAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-GA-062
DETERMINATION MADE BY: GEORGIA EPD (AGENCY) — BILL MITCHELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/01/80
ESTIMATED DATE OF START-UP--
(404)-656-6900 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD WASTE	1055.00 MMBTU/H				
		PM	0.0750 LB/MMBTU	ESP	BACT 99.50
		SO2	1.2000 LB/MMBTU	LOW SULFUR FUEL	NSPS
		NOX	0.7000 LB/MMBTU	BOILER DESIGN	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 2250.00 T/D

COMPANY NAME/SITE LOCATION: UNION CAMP CORP. — EASTOVER, SC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) P/C-40-128
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY) — DAVID FLEMING (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1992
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL/WOODWASTE	495.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	99.98
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU		
		CO	0.1100 LB/MMBTU		
		VE	20.0000 % OPACITY		
BOILERS, COAL/WOODWASTE	581.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	99.98
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU		
		CO	0.1100 LB/MMBTU		
		VE	20.0000 % OPACITY		
BOILERS, COAL/WOODWASTE	660.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	99.98
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU		
		CO	0.1100 LB/MMBTU		
		VE	20.0000 % OPACITY		
KRAFT RECOVERY BOILER	2.30 MM LB/D BLS				

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.0440	GR/DSCF ESP AT 8% O2	
		SO2	230.0000	PPMV DRY T	
		NOX	210.0000	PPMV DRY T	
		CO	2.0000	LB/T ADP	
		TRS	5.0000	PPMV DRY T AT 8% O2	
KRAFT RECOVERY BOILER	2.60 MM LB/D BLS				
		PM	0.0440	GR/DSCF ESP AT 8% O2	
		SO2	230.0000	PPMV DRY T	
		NOX	210.0000	PPMV DRY T	
		CO	2.0000	LB/T ADP	
		TRS	5.0000	PPMV DRY T AT 8% O2	
KRAFT RECOVERY BOILER	2.90 MM LB/D BLS				
		PM	0.0440	GR/DSCF ESP AT 8% O2	
		SO2	230.0000	PPMV DRY T	
		NOX	210.0000	PPMV DRY T	
		CO	2.0000	LB/T ADP	
		TRS	5.0000	PPMV DRY T AT 8% O2	
LIME KILN	205.00 T/D (SEE NO*				
		PM	0.1300	GR/DSCF WET SCRUBBER AT 10% O2	
		SO2	0.2000	LB/T ADP	
		NOX	0.8500	LB/MMBTU	
		CO	8.0000	PPMV DRY T AT 10% O2	
		TRS	10.0000	LB/T ADP	
LIME KILN	230.00 T/D (SEE NO*				
		PM	0.1300	GR/DSCF WET SCRUBBER AT 10% O2	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		SO2	0.2000	LB/T ADP	
		NOX	0.8500	LB/MMBTU	
		CO	8.0000	PPMV DRY T AT 10% O2	
		TRS	10.0000	LB/T ADP	
LIME KILN	255.00 T/D (SEE NO*				
		PM	0.1300	GR/DSCF WET SCRUBBER AT 10% O2	
		SO2	0.2000	LB/T ADP	
		NOX	0.8500	LB/MMBTU	
		CO	8.0000	PPMV DRY T AT 10% O2	
		TRS	10.0000	LB/T ADP	

NOTES --------
THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBERS P/C-40-131,P/C-40-132, P/C-40-134, AND P/C-40-136. LIME KILN UNITS- T/D OF R EBURNED LIME AS 85% COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 1500.00 T/D ADP

COMPANY NAME/SITE LOCATION: WESTVACO CORP., P.O. BOX 5207 — NORTH CHARLESTON, SC 29406 — CHARLESTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SC-037
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY) — OTTO PEARSON (AGENCY CONTACT PERSON) — (803)-758-5406 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/24/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
#10 RECOVERY BOILER	187500.00 LB/H BLS				
		SO2	250.0000 PPM	LIMIT OF 30% SULFIDITY IN BLACK LIQUOR	BACT
		NOX	0.2500 LB/MMBTU	BOILER DESIGN	BACT
		PM	0.0270 GR/DSCF	ESP	BACT
		TRS	0.0166 LB/T BLS	EQUIPMENT OPERATION	NSPS
POWER BOILER (COAL)	1207.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	CYCLONE FOLLOWED BY ESP	NSPS 99.00
		SO2	1.2000 LB/MMBTU	LOW S COAL	NSPS
		NOX	0.7000 LB/MMBTU	EQUIPMENT OPERATION	NSPS

NOTES --------
TSP,TRS,CO AND HC NOT SUBJECT TO PSD. THE NEW BOILER IS A REPLACEMENT FOR 3 EXISTING BOILERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/02/1984

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 600.00 ADT

COMPANY NAME/SITE LOCATION: WESTVACO CORP. - FINE PAPERS DIV., P.O. BOX 278 — WICKLIFFE, KY 42087

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-77-123
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY); BILL DILLS (AGENCY CONTACT PERSON); (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/30/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BARK	463.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
			46.3000 LB/H		
				ESP, MULTIPLE CYCLONE	99.80
		SO2	1.2000 LB/MMBTU	SEE NOTE #1	BACT
			469.6000 LB/H		
		NOX	0.3000 LB/MMBTU	LIQ. FUEL	N/B
			0.7000 LB/MMBTU	SOLID FUEL	
				COMBUSTION CONTROL, SEE NOTE #2	45.00
FUEL HANDLING SYSTEM					
		PM	20.0000 LB/H		
				HANDLING CONTROLS	90.00

NOTES ---------
HEAT INPUT RATES VARIES DEPENDING ON FUEL TYPE. NOTE #1 - 0.8 LB/MMBTU ALLOWABLE SO2 WHEN FIRING FUEL OIL ONLY. NOTE #2 - 2 ST
AGE COMBUSTION. ESP REPLACED UNDER C-79-144.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 186000.00 T/YR

COMPANY NAME/SITE LOCATION: WEYERHAEUSER CO., P.O. BOX 2288 — COLUMBUS, MS 39701 — LOWNDES COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-MS-027
DETERMINATION MADE BY: MISSISSIPPI DNR (AGENCY) — DWIGHT WILEY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/22/80
ESTIMATED DATE OF START-UP-- 1983
(601)-354-2550 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER BOILER, COMBUSTION FUEL	762.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
				CYCLONE FOLLOWED BY ESP	99.00
		SO2	1.2000	LB/MMBTU COAL	NSPS
			0.8000	LB/MMBTU OIL	
				0.72% S COAL/1.3% S OIL	
		NOX	0.7000	LB/MMBTU COAL	NSPS
			0.3000	LB/MMBTU OIL	
				EQUIPMENT OPERATION	
RECOVERY BOILER, KRAFT MILL	155.00 T/H BLS				
		PM	0.0440	GR/DSCF	NSPS
				ESP	99.50
		SO2	100.0000	PPM	BACT
				EQUIPMENT OPERATION	
		NOX	70.0000	PPM	BACT
				EQUIPMENT OPERATION	
		TRS	5.0000	PPM	NSPS
				EQUIPMENT OPERATION	
LIME KILN	21.00 T/H				
		PM	0.1300	GR/DSCF	NSPS
				WET SCRUBBER	99.20
		SO2	50.0000	PPM	BACT
				EQUIPMENT OPERATION	
		NOX	100.0000	PPM	BACT
				EQUIPMENT OPERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) WEYERHAEUSER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		TRS	6.0000 PPM	EQUIPMENT OPERATION	NSPS
SMELT TANK	75.00 T/H OF MOLT*				
		PM	0.2000 LB/T BLS	WET SCRUBBER	NSPS 85.00
		SO2	50.0000 PPM	EQUIPMENT OPERATION	BACT
		TRS	0.0168 LB/T BLS	EQUIPMENT OPERATION	NSPS

NOTES --------
THERMO MECHANICAL PULP MILL - 185 T/D. KRAFT PULP MILL - 1200 T/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 384.00 T/D

COMPANY NAME/SITE LOCATION: WEYERHAEUSER CO. — LONGVIEW, WA 98632

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO. DE 84-133
DETERMINATION MADE BY: WASHINGTON DOE (AGENCY); GEORGE HOUCK (AGENCY CONTACT PERSON); (206)-459-6032 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/17/84
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME	384.00 T/D LIME				
		PM	0.0350	GR/DSCF GAS, CORRECTED TO 10% O2	LAER
			0.0700	GR/DSCF OIL, CORRECTED TO 10% O2	
				ESP	99.83
		TRS	8.0000	PPM 12H AV, CORRECTED TO 10% O2	LAER
		VE	25.0000	% OPACITY	LAER
FURNACE, RECOVERY	4.50 MMLB/D BLS				
		PM	0.0600	GR/DSCF CORRECTED TO 8% O2	BACT
				ESP	
		TRS	5.0000	PPM 12H AV, CORRECTED TO 8% O2	BACT
		VE	35.0000	% OPACITY	BACT
VENT, SMELT TANK					
		PM	0.2680	LB/T BLS	BACT
				3 DEMISTER PADS IN SERIES	
				WATER SPRAY	
		TRS	0.0168	LB/T BLS	BACT
		VE	35.0000	% OPACITY	BACT

NOTES --------
FURNACE FIRING RATE WILL INCREASE FROM NAMEPLATE DESIGN OF 3.6 MMLB/D BLS TO A NOMINAL 4.5 MMLB/D BLS. FURNACE CONFIGURATION W
ILL CHANGE. NO CHANGE TO CONTROL EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 09/04/1984

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 600.00 T/H

COMPANY NAME/SITE LOCATION: WILLAMETTE INDUSTRIES, INC.
P.O. BOX 130
HAWESVILLE, KY 42348
HANCOCK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. KY-162
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY); BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/03/80
ESTIMATED DATE OF START-UP--
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE	540.00 T/H				
		PM	0.0400 GR/DSCF	ESP	BACT 99.50

NOTES --------
PERMIT HAS EXPIRED. NEW CONSTRUCTION PERMIT APPLICATION FOR SAME RECOVERY FURNACE UNDER REVIEW. ALSO PERMIT NUMBER C-80-139.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 400.00 MMBTU/H

COMPANY NAME/SITE LOCATION: WILLAMETTE INDUSTRIES, INC.
P.O. BOX 130 — HAWESVILLE, KY 42348
HANCOCK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. KY-146
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) — BILL DILLS (AGENCY CONTACT PERSON) — (502)-564-3382 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/02/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOODWASTE	400.00 MMBTU/H				
		PM	0.0400 GR/DSCF	MULTICLONES/VENTURI SCRUBBER	BACT 99.30
		SO2	0.3150 LB/MMBTU		BACT
		NOX	0.4000 LB/MMBTU	BOILER DESIGN	BACT

NOTES --------
THE EMISSION LIMIT FOR PM IS APPROX. 0.075 LB/MMBTU. ALSO PERMIT NUMBER C-80-24.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 120000.00 T/YR

COMPANY NAME/SITE LOCATION: WILLAMETTE INDUSTRIES, INC. P.O. BOX 130 — HAWESVILLE, KY 42348 — HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-80-24
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) — BILL DILLS (AGENCY CONTACT PERSON) — (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/30/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD WASTE BOILER	400.00 MMBTU/H	SO2	0.3150 LB/MMBTU	LOW S FUEL	BACT
		NOX	0.7000 LB/MMBTU NOTE#1	COMBUSTION CONTROL	BACT
		PM	0.0400 GR/DSCF	MULTICLONE/VENTURI	BACT 99.30
LIME KILN	175.00 T/D PROD.	SO2	5.0300 LB/H		BACT
		PM	0.1500 GR/DSCF	VENTURI	BACT 99.20

NOTES ---------
FOMERALY WESCOR CORP. NOTE #1 - ALLOWABLE = 0.2 LB/MMBTU IF GAS/WOOD COMBUSTION USED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 600.00 T/D ADP

COMPANY NAME/SITE LOCATION: WILLAMETTE INDUSTRIES, INC.
P.O. BOX 130
HAWESVILLE, KY 42348
HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-84-77
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) — BILL DILLS (AGENCY CONTACT PERSON) — (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/06/84
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURANCE, RECOVERY	600.00 T/D ADP				
		PM	0.0400	GR/DSCF AT 8% O2	BACT
				ESP	99.50
		TRS	5.0000	PPMV DRY BASIS AT 8% O2	BACT
				LOW ODOR FURNACE	
		SO2	100.0000	PPMV DRY BASIS AT 8% O2	BACT
				LOW ODOR FURNACE	
SMELT DISSOLVING TANK	600.00 T/D ADP				
		PM	0.0240	LB/T BLS	BACT
				VENTURI SCRUBBER	98.10
		TRS	0.0168	LB/T BLS	NSPS
MULTIPLE EFFECT EVAPORATOR LINE	600.00 T/D ADP				
		TRS			NSPS
				INCINERATION IN LIME KILN	99.00

NOTES --------
TRS IS EXPRESSED AS H2S

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) — 337.20 MMBTU/H

COMPANY NAME/SITE LOCATION: APPLETON PAPERS, INC. — LOCKSMILL, WI — COMBINED LOCKS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. MAA-10-SJK-83-45-054
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — STEVE KLAFKA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/06/83
ESTIMATED DATE OF START-UP--
(608)-267-7540 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER STACK	250000.00 LB/H STEAM				
		PM	0.1000 LB/MMBTU	ESP	
		SO2	1.1200 LB/MMBTU	ESP	98.00
		NOX	0.7000 LB/MMBTU	ESP	
		CO	0.1000 LB/MMBTU	ESP	
		VOC	9.9500 LB/H 42.0000 T/YR	ESP	
		HG		ESP	BACT
DIRT ROADS & STOCKPILES		VE	20.0000 % OPACITY		95.00
		PM			
INSTALLATION				APPLY ASPHALT,OIL,H2O,CHEM.,PLASTIC COVER	
		PM		BAGHOUSE	
ROADWAYS & PARKING LOTS				USE HOODS,FANS,& ENCLOSURES	
		PM		PAVING & MAINTENANCE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

(CONTINUED) APPLETON PAPERS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				

NOTES --------
SULFUR CONTENT OF COAL 0.56 LB/MMBTU. FEED RATES -- COAL W/WOOD BARK - 2830. LB/H MAX OF BARK. COAL W/WASTEWATER TREATMENT SLU
DGE - 5580. LB/H
MAX OF SLUDGE. EXISTING GASOLINE BOILERS SHALL NOT OPERATE SIMULTANEOUSLY W/COAL BOILER. BOILER SHALL HAVE ESP TO CONTROL BE &
PB EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) — 400.00 MMBTU/H

COMPANY NAME/SITE LOCATION: AUGUSTA NEWSPRINT CO. — AUGUSTA, GA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2621-121-8497
DETERMINATION MADE BY: GEORGIA EPD (AGENCY); DAVID WEAVER (AGENCY CONTACT PERSON); (404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/04/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	400.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				VENTURI SCRUBBER	97.60
		SO2	0.8000 LB/MMBTU		
			298.0000 LB/H		
				VENTURI SCRUBBER	20.00
		NOX	0.3000 LB/MMBTU BARK/OIL		NSPS
			0.2000 LB/MMBTU BARK/GAS		
				FURNACE, BURNER DESIGN	

NOTES --------
UPPER LIMIT ON SO2 NEEDED TO PROTECT CLASS II INCREMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: BEAR ISLAND PAPER CO. — ASHLAND, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 50840
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) — PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD/COAL FUEL	469.00 MMBTU/H				
		PM	205.0000 T/YR WOOD FUEL		NSPS
			174.0000 T/YR COAL FUEL	CYCLONE & ESP	99.00
		SO2	1638.0000 T/YR WOOD FUEL		NSPS
			2092.0000 T/YR COAL FUEL	0.7 % SULFUR COAL	
		NOX	1210.0000 T/YR WOOD FUEL		NSPS
			1210.0000 T/YR COAL FUEL		

NOTES --------
PM LIMIT BURNING WOOD & COAL TOGETHER IS 0.1 LB/MMBTU INPUT. SIMILAR LIMIT FOR SO2 IS 1.2 LB/MMBTU. THE LIMIT FOR NOX IS 0.7 L
B/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) — 170.00 MMBTU/H

COMPANY NAME/SITE LOCATION: CAROLINA FOREST INDUSTRIES, INC. — BENNETTSVILLE, SC — MARLBORO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-SC-039
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY) — OTTO PEARSON (AGENCY CONTACT PERSON) — (803)-758-5406 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/25/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BARK/WOODWASTE	172.00 MMBTU/H				
		PM	0.2500 LB/MMBTU		BACT
			43.0000 LB/H		
				MECHANICAL COLLECTOR/ESP	98.00
		NOX	1.1900 LB/MMBTU		BACT
			205.0000 LB/H		
				EQUIPMENT OPERATION & DESIGN	
BOILERS, COAL FIRED, 2	311.00 MMBTU/H EA				
		PM	62.2000 LB/H		BACT
			271.8000 T/YR		
				ESP	99.00
		SO2	746.4000 LB/H		BACT
			3260.4000 T/YR		
				LOW S COAL	
		NOX	435.4000 LB/H		BACT
			1901.8000 T/YR		
				BOILER DESIGN	
		CO	25.6000 LB/H		BACT
			111.8000 T/YR		
				EQUIPMENT OPERATION	

NOTES --------
THREE UNITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 04/02/1984

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) — 150000.00 LB/H

COMPANY NAME/SITE LOCATION: FLAMBEAU PAPER CORP. — PARK FALLS, WI

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO. MAA-10-CWB-81-51-026
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — EMILIA ESTRADA (AGENCY CONTACT PERSON) — (608)-266-0244 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/28/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
80/20 WOOD/COAL BOILER	249.00 MMBTU/H				
		SO2	1.2000 LB/MMBTU		
			0.78 % S. MAX		LAER
		NOX	0.7000 LB/MMBTU		
				BURNER MODIFICATION	BACT
		PM	0.0800 LB/MMBTU WOOD/COAL		
			0.1000 LB/MMBTU COAL		BACT
COAL PREP. HOUSE, STACK				MULTICYCLONE & VENTURI SCRUB.	99.00
		PM	0.1000 LB/MLB EXHAUST GAS		
COAL BUNKER STACK				BAGHOUSE	BACT 99.70
		PM	0.1000 LB/MLB EXHAUST GAS		
WOOD PREP. BUILDING STACK				BAGHOUSE	BACT 99.70
		PM	0.2000 LB/MLB EXHAUST GAS		
WOOD STORAGE BIN STACK				BAGHOUSE	BACT 99.70
		PM	0.2000 LB/MLB EXHAUST GAS		
				BAGHOUSE	BACT 99.70

NOTES --------
MAJOR MODIFICATION SUBJECT TO PSD, BACT REQUIRED. DUE TO SO2 PROBLEM IN AREA, LAER IS REQUIRED FOR SO2. BOILER IS A MAJOR ATTA INMENT AREA NOX SOURCE AND BACT IS APPLIED FOR NOX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: FORT HOWARD PAPER CO. MUSKOGEE, OK MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-404
DETERMINATION MADE BY: EPA REGION VI (AGENCY); BILL TAYLOR (AGENCY CONTACT PERSON); (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/21/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAPER MACHINE	48.00 MMBTU/H				
		NOX	0.3000 LB/MMBTU OIL 0.1200 LB/MMBTU GAS	LOW NOX BURNERS	BACT
		CO	0.0350 LB/MMBTU OIL 0.0170 LB/MMBTU GAS	EFFICIENT OPERATION	BACT
		SO2	0.3650 LB/MMBTU OIL 0.0002 LB/MMBTU GAS	LOW SULFUR OIL	BACT
		PM	0.0150 LB/MMBTU OIL 0.0060 LB/MMBTU GAS	NORMAL OPERATION	BACT
		VOC	0.0080 LB/MMBTU OIL 0.0040 LB/MMBTU GAS	EFFICIENT OPERATION.	BACT
BOILER	557.00 MMBTU/H				
		NOX	0.7000 LB/MMBTU COAL 0.3000 LB/MMBTU OIL	LOW NOX BURNERS	BACT
		NOX CO	0.2000 LB/MMBTU GAS 0.0600 LB/MMBTU COAL 0.0340 LB/MMBTU OIL	EFFICIENT OPERATION	BACT BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) FORT HOWARD PAPER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		CO	0.0170 LB/MMBTU GAS		BACT
		SO2	1.2000 LB/MMBTU COAL		BACT
			0.7340 LB/MMBTU OIL		
				LOW SULFUR OIL & COAL	
		SO2	0.0010 LB/MMBTU GAS		BACT
		PM	0.1000 LB/MMBTU COAL		BACT
			0.0680 LB/MMBTU OIL		
				BAGHOUSE	99.20
		PM	0.0050 LB/MMBTU GAS		BACT
		VOC	0.0170 LB/MMBTU GAS		
			0.0070 LB/MMBTU OIL		
				EFFICIENT OPERATION	
		VOC	0.0030 LB/MMBTU GAS		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: FORT HOWARD PAPER CO.
HAROLD ABITZ DRIVE
MUSKOGEE, OK 54305
MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-375
DETERMINATION MADE BY: EPA REGION VI (AGENCY); JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/21/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	400.00 MMBTU/H				
		NOX	0.2000 LB/MMBTU N. GAS	WATER INJECTION	BACT
		PM	0.1100 LB/MMBTU N. GAS	NORMAL OPERATION	BACT
		SO2	0.0008 LB/MMBTU N. GAS	LOW SULFUR FUEL	BACT
		VOC	0.1200 LB/MMBTU N. GAS	NORMAL OPERATION	BACT
		CO	0.6800 LB/MMBTU N. GAS	NORMAL OPERATION	BACT
		NOX	0.2800 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		PM	0.1100 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		SO2	0.7500 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		VOC	0.0300 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		CO	0.7500 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: MACMILLAN BLOEDAL
ALABAMA HIWAY 10
PINE HILL, AL 36769
WILCOX COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AL-063
DETERMINATION MADE BY: ALABAMA APCD (AGENCY) — SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/30/80
ESTIMATED DATE OF START-UP--
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER	960.00 MMBTU/H				
		PM	0.0440	GR/DSCF AT 8% O2	NSPS
				ESP	99.00
		SO2	2339.0000	T/YR	NSPS
				BOILER DESIGN	
		CO	12325.0000	T/YR	NSPS
				EQUIPMENT OPERATION	
		NOX	902.0000	T/YR	NSPS
				EQUIPMENT OPERATION	
		TRS	5.0000	PPM AT 8% O2	NSPS
				EQUIPMENT OPERATION	
POWER BOILER	770.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
				ESP	99.00
		SO2	1.2000	LB/MMBTU	NSPS
				BOILER DESIGN	
		CO	114.0000	LB/H	NSPS
				EQUIPMENT OPERATION	
		NOX	0.7000	LB/MMBTU	NSPS
				EQUIPMENT OPERATION	
SMELT TANK	87.00 T/H BLS				
		PM	0.2000	LB/T BLS	NSPS
				SCRUBBER	96.00
		SO2	41.0000	T/YR	NSPS
				EQUIPMENT OPERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) MACMILLAN BLOEDAL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		TRS	0.0168 LB/T BLS	EQUIPMENT OPERATION	NSPS
DIGESTERS					
		TRS	0.5000 SEC AT 1200 F	INCINERATION	
EVAPORATORS					
		TRS	0.5000 SEC AT 1200 F	INCINERATION	
WASHERS					
		TRS	0.5000 SEC AT 1200 F	INCINERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: PROCTER & GAMBLE PAPER PRODUCTS CO. — GREEN BAY, WI

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO. SEE NOTE
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — DALE ZIEGE (AGENCY CONTACT PERSON) — (608)-266-0113 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/29/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMBUSTOR, FLUIDIZIED BED	135.00 MMBTU/H	PM	0.0400 LB/MMBTU	ELECTROSCRUBBER & MULTICYCLONE GRANULAR BED FILTER	LAER
		NOX	0.3000 LB/MMBTU	LOW COMB. ZONE TEMP., HIGH EXCESS AIR	BACT
MATL. HANDLING, FLYASH					
ELECTROSCRUBBER MEDIA CLEANING *	195.00 T/H	PM	0.0300 GR/DSCF	CYCLONE, PULSE-JET BAGHOUSE	LAER
		PM	0.0300 GR/DSCF	PULSE-JET BAGHOUSE	LAER

NOTES --------
NOTE -- PERMIT # MAN-10-SJK-81-05-116 & MAN-14-YPD-83-05-501. COMPLIANCE WITH ALL EMISSION LIMITS SHOWN. COMPLIANCE WITH PM LI
MIT REQUIRES THE ADDITION OF 18 LB OF COAL FLYASH TO BARK EVERY 5 MIN TO ADJUST RESISTIVITY OF
COMBUSTOR FLYASH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

ID NUMBER WI-0032A

SOURCE TYPE CODE 10.2

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: PROCTOR & GAMBLE PAPER PRODUCTS CO., FO* — GREEN BAY, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-14-YPD-83-05-501
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) — YESHAVANT DESAI (AGENCY CONTACT PERSON) — (414)-497-4062 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/22/83
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LOAD BARK SILO		PM	0.0600 LB/H	UNCONTROLLED	
				BAGHOUSE,PULSE,JET-CLEAN	99.80
PROCESS FLYASH COLLECTOR		PM	151.0000 LB/H		LAER
				BAGHOUSE	99.98
CONTROL FLYASH FROM COMBUSTOR		PM	105.0000 LB/H		LAER
				BAGHOUSE	99.98

NOTES --------
BARK INCLUDES SAWDUST AND FINES FROM PULPING OPERATION. TOTAL PM FROM BAGHOUSE EQUALS 0.224 T/YR ACTUAL, 1.474 T/YR ALLOWABLE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: SUNBELT FOREST PRODUCTS CORP. BOLIGEE, AL GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-AL-073
DETERMINATION MADE BY: ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON) (205)-834-6570 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/20/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL, UNIT#2	470.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTICLONE & SCRUBBER	NSPS 99.00
		SO2	1.2000 LB/MMBTU	CAUSTIC SCRUBBER	NSPS 73.00
		NOX	0.7000 LB/MMBTU	EQUIPMENT DESIGN & OPERATION	NSPS
BOILER, COAL, UNIT#3	250.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTICLONE & SCRUBBER	NSPS 99.00
		SO2	1.2000 LB/MMBTU	CAUSTIC SCRUBBER	NSPS 73.00
		NOX	0.7000 LB/MMBTU	EQUIPMENT DESIGN & OPERATION	NSPS
BOILER, COAL, UNIT #1	480.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTICLONE & SCRUBBER	NSPS 99.00
		SO2	1.2000 LB/MMBTU	CAUSTIC SCRUBBER	NSPS 73.00
		NOX	0.7000 LB/MMBTU	EQUIPMENT DESIGN & OPERATION	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: HARDBOARD

COMPANY NAME/SITE LOCATION: ABI TIBI CORP. ROARING RIVER, NC WILKES COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 076
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/25/81
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD FIRED BOILER	120000.00 LB/H STEAM				
		PM	0.1000 LB/MMBTU	VENTURI SCRUBBER & MULTICLONE	NSPS 98.20
		SO2	33.0300 LB/H 145.0000 T/YR	LOW S FUEL	
		CO	44.0400 LB/H 192.9000 T/YR	EQUIPMENT OPERATION	NSPS
		NOX	35.2300 LB/H 154.3000 T/YR	EQUIPMENT OPERATION	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE: PLYWOOD PLANTS — 88.00 MMBTU/H

COMPANY NAME/SITE LOCATION: EVERGREEN FOREST PRODUCTS — TAMARACK, ID

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: IDAHO AQB (AGENCY); CLINT AYER (AGENCY CONTACT PERSON); (208)-334-5360 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/30/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	88.00 MMBTU/H				
		PM	21.2200 LB/H	2 STAGED MULTICLONES	96.00
		CO	17.5600 LB/H SEE NOTE		
		NOX	17.5600 LB/H SEE NOTE		

NOTES --------
NOTE - CO & NOX PREDICTIONS BASED ON AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: PLYWOOD PLANTS

COMPANY NAME/SITE LOCATION: KIRBY FOREST INDUSTRIES — SILSBEE, TX — HARDIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-280
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — BILL TAYLOR (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/09/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FBD WOOD WASTE FIRE	70000.00 LB/H	PM	10.7000 LB/H	SCRUB. IN SERIES W/SCRUB.	95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 — INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: PLYWOOD PLANTS — 145.00 MMBTU/H

COMPANY NAME/SITE LOCATION: ULTRASYSTEMS INC. — BURNEY, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 82-PO-32
DETERMINATION MADE BY: SHASTA COUNTY APCD (AGENCY); RICHARD BOOTH (AGENCY CONTACT PERSON); (916)-246-5674 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/06/82
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	150000.00 LB/H STEAM				
		PM	0.0350 GR/DSCF	MULTICLONE & VENTURI SCRUBBER	98.00
		NOX	139.0000 T/YR	COMBUSTION PARAMETER CONTROL	40.00
		CO	126.0000 T/YR	COMBUSTION PARAMETER CONTROL	98.00
		VOC	55.0000 T/YR	COMBUSTION PARAMETER CONTROL	76.00
		SOX	21.0000 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1985

SOURCE TYPE/SIZE: WOODWORKING

COMPANY NAME/SITE LOCATION: BOHEMIA, INC. — LINCOLN, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. A/C-84-15
DETERMINATION MADE BY: PLACER COUNTY APCD (AGENCY); D.W. DIXON (AGENCY CONTACT PERSON); (916)-823-4443 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/26/84
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANER MILL	600000.00 BOARD FT/D			
		PM	1.4400 EE-3 GR/DSCF	BACT
			CYCLONE & BAGHOUSE	99.99

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOODWORKING

COMPANY NAME/SITE LOCATION: BROYHILL FURNITURE — MARION, NC — MCDOWELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-068
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOODWORKING	90.00 BOARD F/MIN.	PM	0.2950 LB/H 1.3000 T/YR	BAGHOUSE	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: WOODWORKING

COMPANY NAME/SITE LOCATION: BROYHILL FURNITURE — NEWTON, NC — CATAWBA COUNTY

DETERMINATION IS BACT
PERMIT NO. NC-063
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHFUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOODWORKING BOOTHS					
		PM	9.0000 LB/H	BAGHOUSE	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 313.00 MMBTU/H

COMPANY NAME/SITE LOCATION: AUSTELL BOX BOARD CO. WASHINGTON ST. — AUSTELL, GA 30001

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2631-033-7994-C
DETERMINATION MADE BY: GEORGIA EPD (AGENCY) — BILL FARRISEE (AGENCY CONTACT PERSON) — (404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/29/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	313.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				BAGHOUSE	99.50
		SO2	1.2000 LB/MMBTU		NSPS
				SPRAY DRYER-ATOMIZED CA(OH)2	70.00
		CO	0.7000 LB/MMBTU		NSPS
				FURNACE, BURNER DESIGN	
		VOC			
				FURNACE, BURNER DESIGN	
		NOX			
				FURNACE, BURNER DESIGN	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: BURLINGTON IND. HIGH POINT, NC

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC-036
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER		PM	0.6000 LB/H	BAGHOUSE CLOSED LOOP BOILER FEED SYSTEM	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: CROWN WOOD PRODUCTS — MOCKSVILLE, NC — DAVIE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 4819
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/28/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD-FIRED	22.30 MMBTU/H	VOC	917.0000 T/YR	NO CONTROL	BACT

NOTES --------
BOILER VOC LIMIT BASED ON AP-42 EMMISSION FACTOR AND PERMIT STIPULATION LIMITING WOOD USAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 15.00 T/H

COMPANY NAME/SITE LOCATION: EAGLE ENERGY — ST MARIES, ID

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: IDAHO AQB (AGENCY) — CLINT AYER (AGENCY CONTACT PERSON) — (208)-334-5360 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/15/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD DRYING & COMBUSTION	12.00 MMBTU/H SEE*	PM	24.0000 LB/H	CYCLONE/WET SCRUBBER	98.00

NOTES ---------
NOTE - BURN 0.4 T/H WET WOOD, 0.4 T/H DRY WOOD

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER ID-0004

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS 165000.00 LB/H

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. DUDLEY, NC WAYNE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-061
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 01/07/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD WASTE BOILER & ROTARY AND	* 165000.00 LB/H	PM	246.0000 T/YR	BAGFILTERS,CYC,& VENTURI SCRUB	BACT 99.87

NOTES --------
MULTIPLE SMALL EMISSION POINTS WITH LIMITS OF 0.05 TO 31.0 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER NC-0007

SOURCE TYPE CODE 10.6

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: GEORGIA-PACIFIC CORP. DUDLEY, NC WAYNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 4923
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY); MIKE SEWELL (AGENCY CONTACT PERSON); (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/01/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, SANDERDUST FUEL	10000.00 LB/H				
		PM	30.0000 LB/H SEE NOTE	CYCLONES, ESP	BACT 99.92
		VE		CYCLONES, ESP	BACT 99.92
		ORG*		CYCLONES, ESP	BACT 99.92
DRYERS, ROTARY WOODFLAKE (GREEN)	80000.00 LB/H				
		PM	30.0000 LB/H SEE NOTE	CYCLONES, ESP	BACT 99.92
		VE		CYCLONES, ESP	BACT 99.92
		ORG*		CYCLONES, ESP	BACT 99.92

NOTES --------
CONSTITUTES A REDETERMINATION. CYCLONES COULD NOT MEET PARTICULATE OR VISIBLE EMISSION LIMITATIONS. ESP APPLICATION TO WOODFLA
KE DRYER PROCESS APPROACHES INNOVATIVE TECHNOLOGY. NOTE- ONE LIMIT FOR FUEL COMBUSTION AND PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION HOOKER FURNITURE CORP. ROANOKE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 20523
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) RENALDO JENKINS (AGENCY CONTACT PERSON) (804)-786-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/16/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD/COAL BOILER	20.00 MMBTU/H	PM	0.3000 LB/MMBTU	MULTICLONE	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 150.00 MMBTU/H

COMPANY NAME/SITE LOCATION: HUDSON LUMBER CO. — ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 81-PO-17
DETERMINATION MADE BY: SHASTA COUNTY APCD (AGENCY) — RICHARD BOOTH (AGENCY CONTACT PERSON) — (916)-246-5674 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/05/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	90000.00 LB/H STEAM				
		PM	0.0350 GR/DSCF	MULTICLONE & VENTURI SCRUBBER	98.00
		NOX	30.0000 LB/H 8H AV	COMBUSTION PARAMETER CONTROL	40.00
		SOX			
		CO	2.0000 LB/T FUEL	COMBUSTION PARAMETER CONTROL	98.00
		VOC		COMBUSTION PARAMETER CONTROL	76.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: INTERNATIONAL PAPER CO. GURDON, AR

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-463AR-1
DETERMINATION MADE BY: ARKANSAS DPC (AGENCY); MIKE PORTA (AGENCY CONTACT PERSON); (501)-562-7444 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/25/83
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, WOOD WASTE, #1 & #2					
		PM	25.0000 LB/H, EA	SCRUBBER	
		CO	200.0000 LB/H, EA	EFFICIENT BOILER OPERATION	

NOTES --------
THE CO RATE WAS ORIGINALLY 32.5 LB/H BUT WAS RAISED TO 200 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 240.00 T/D

COMPANY NAME/SITE LOCATION: J.M. HUBER CORP. — EASTON, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: MAINE DEP (AGENCY) — ROBERT BALLEW (AGENCY CONTACT PERSON) — (207)-289-2437 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/25/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYERS, 2	240.00 T/D				
		PM	2.4800 LB/T WAFER BD	HIGH EFF. CYCLONES	BACT
DRYERS PLUS BOILER, COMMON STAC*	240.00 T/D				
WOOD BOILER	84.00 MMBTU/H	VE	20.0000 % OPACITY FOR 15 MIN/3 H		BACT
		PM	0.1200 LB/MMBTU	MULTICLONES	BACT
		SO2	100.0000 LB/H 1000.0000 LB/D		BACT
		SO2	50.0000 T/YR		BACT
BLDG VENT SYSTEM		PM		BAGHOUSES	BACT 99.90

NOTES --------
DRYERS & BOILER IN COMMON STACK FOR VE CONCERN. FUGITIVE EMISSIONS CONTROLLED BY 1)VEGETATION OF ALL PLANT PROPERTY NOT IN ACTIVE USE. 2)THE USE OF PAVED OR GRAVEL ROAD. 3)PAVING OR SURFACTANTS IF GRAVEL ROAD FAILS TO ADEQUATELY CONTROL FUGITIVE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 240.00 T/D

COMPANY NAME/SITE LOCATION: LOUISIANA-PACIFIC CORP. — NEW LIMERICK, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: MAINE DEP (AGENCY) — ROBERT BALLEW (AGENCY CONTACT PERSON) — (207)-289-2437 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/27/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NO. 1 WOOD BOILER	24.60 MMBTU/H				
		PM	0.1500 LB/MMBTU	ESP	BACT
		SO2		NO. 2 FUEL OIL ONLY	BACT
NO. 2 WOOD BOILER	24.60 MMBTU/h				
		PM	0.1500 LB/MMBTU	ESP	BACT
NO. 1 WOOD FIRED DRYER	36.40 MMBTU/H				
		PM	1.8400 LB/T WAFER BD	CYCLONE	BACT
		SO2		NO. 2 FUEL START UP ONLY	BACT
NO. 2 WOOD FIRED DRYER	36.40 MMBTU/H				
		PM	1.8400 LB/T WAFER BD	CYCLONE	BACT
		SO2		NO. 2 FUEL START UP ONLY	BACT
PNEUMATIC TRIM & FINES COLL. SYS		PM		CYCLONE, BAGHOUSE	BACT 99.90
FUGITIVE EMISSIONS		PM		PAVING/GRAVELLING/VEGETATE/SURFACTANTS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 94.60 MMBTU/H

COMPANY NAME/SITE LOCATION: MIAMI PAPER CORP. — WEST CARROLLTON, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 0857190134 B002, B0*
DETERMINATION MADE BY: RAPCA - DAYTON,OH (AGENCY) — GORBY LEE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/25/82
ESTIMATED DATE OF START-UP-- 1982
(513)-225-4435 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STOKER BOILER, 2	47.30 MMBTU/H EA				
		PM	0.1500 LB/MMBTU	WET SCRUBBER	97.10
		SO2	1.60(*) LB/MMBTU	WET SCRUBBER	23.60

NOTES --------
BOTH COAL BOILERS ARE CONTROLLED BY A SINGLE SLY MANUFACTURING WET SCRUBBER. SO2 EMISSIONS REDUCTIONS WERE QUANTIFIED FOR A POSSIBLE PERCENT SULFUR COAL CREDIT, THEREBY ALLOWING THIS COMPANY TO BURN SLIGHTLY HIGHER SULFUR CONTENT COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	02/13/1984

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 60.00 MMBTU/H

COMPANY NAME/SITE LOCATION: NATICK PAPERBOARD — NATICK, MA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 24-119-MA-13
DETERMINATION MADE BY: EPA REGION I (AGENCY); SARAH SIMON (AGENCY CONTACT PERSON); (617)-223-4448 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/30/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER,REPLACEMENT,OIL-FIRED	60.13 MMBTU/H				
		SO2	145.9400 LB/H 2.2% S		BACT
		PM	0.1000 LB/MMBTU		

NOTES --------
2.2% S FUEL ASSUMED. 142000 BTU/GAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION PACKAGING CORP. OF AM FILER CITY, MI

MANISTEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 681-80
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/16/80
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2 TOTAL	325000.00 LB/H				
		PM	0.1000 LB/MLB EXHAUST	BAGHOUSE CORRECTED TO 50% AIR	99.90
		SO2	1.6700 LB/MMBTU 24H AV	1% S COAL	

NOTES --------
CONVERSION OF BOILER BACK TO COAL FIRING

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: PROCTOR & GAMBLE PAPER PRODUCTS — SOUTH BOSQUE, TX — MCLENNAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-89
DETERMINATION MADE BY: EPA REGION VI (AGENCY) — JOHN BUNYAK (AGENCY CONTACT PERSON) — (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/01/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TISSUE ROLL CUTTING MACHINES, 3					
		PM	0.2700 LB/H EA	WET SCRUBBER	99.00
TISSUE CUTTING MACHINE, 1					
		PM	0.1500 LB/H	WET SCRUBBER	99.00
CELLULOSE PAD FORMATION MACHINE*					
		PM	0.1200 LB/H EA	BAGHOUSE	99.50
PLASTIC TRIMING OPERATION					
		PM	5.0000 LB/H	CYCLONE & FILTERS	99.50
TURBINE, GAS, 2	350.00 MMBTU/H EA				
		PM	20.4000 LB/H EA	LOW ASH FUEL	
		SO2	144.0000 LB/H EA	0.4% S FUEL OIL	
		NOX	118.8000 LB/H	WATER INJECTION	
TISSUE WINDING MACHINES, 2					
		PM	0.3400 LB/H EA	WET SCRUBBERS	
STEAM GEN	100.00 MMBTU/H				
		PM	6.9000 LB/H	LOW ASH FUEL OIL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(CONTINUED) PROCTOR & GAMBLE PAPER PRODUCTS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		SO2	75.9000 LB/H	0.7% S FUEL OIL	
		NOX	30.0000 LB/H	LEA FIRING/FURNACE DESIGN	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 19.30 MW

COMPANY NAME/SITE LOCATION: PROCTOR & GAMBLE PAPER PROD. PLANT — OXNARD, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) LA 79-08
DETERMINATION MADE BY: EPA REGION IX (AGENCY); RAY SEID (AGENCY CONTACT PERSON); (415)-974-8066 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/02/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS TURBINE	19.30 MW				
		NOX	0.3198 LB/MMBTU	FUEL OIL	
			0.2165 LB/MMBTU	NAT GAS	
				WATER INJECTION	

NOTES --------
BACT LIMITS DETERMINED BY NSPS STANDARDS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: STONE CONTAINER CORP. — COSHOCTON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-81-3
DETERMINATION MADE BY: OHIO EPA SED (AGENCY) — GLEN GREENWOOD (AGENCY CONTACT PERSON) — (614)-385-8501 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/23/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD/GAS	609.00 MMBTU/H	PM	0.0600 LB/MMBTU	MULTICLONE & VENTURI SCRUBBER	98.50
		SO2	0.0200 LB/MMBTU		
		CO	0.2000 LB/MMBTU		
		VOC	0.0200 LB/MMBTU		
		NOX	0.3800 LB/MMBTU		

NOTES --------
BOILER BURNS WOOD WASTE OR NATURAL GAS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER OH-0003

SOURCE TYPE CODE 10.6

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 65000.00 T/YR

COMPANY NAME/SITE LOCATION: AIRCO CARBON — RIDGEVILLE, SC — DORCHESTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. P/C-18-058 THRU 096
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY); OTTO PEARSON (AGENCY CONTACT PERSON); (803)-758-5406 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/11/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CARBOTTOM KILNS	27.90 T/H ELECTRO*				
		PM	5.4300 LB/H	USE OF NAT. GAS	BACT
		SO2	1.3900 LB/H	USE OF NATURAL GAS	BACT
		NOX	17.5000 LB/H	USE OF NATURAL GAS	BACT
		VOC	0.0300 LB/H	NO CONTROL	
GRAHPITIZING FURNACE	7.40 T/H				
		PM	33.8000 LB/H	BAGHOUSE & PNEUMATIC COLL SYS	
		SO2	296.6000 LB/H	SEE NOTE	
		H2S	160.8000 LB/H		

NOTES --------
COKE PACK MATERIAL WILL BE LOADED AND UNLOADED FROM THE FURNACES BY A PNEUMATIC COLLECTION SYSTEM. THE PACK MATERIAL WILL BE C
OLLECTED IN A BAGHOUSE, FINES WILL BE REMOVED, THE COKE IS THEN RE-USED.
SO2 CONTROLLED BY LIMITING SULFUR CONTENT OF THE FOLLOWING A.BAKED ELECTRODES LESS THAN 0.8% B.COKE PACK MATERIAL LESS THAN 3.
5% C.MAKE-UP PACK MATERIAL LESS THAN 1.5%

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/06/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: A.O. SMITH CORP. MILWAUKEE, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. ATT-03-80-41-026
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY); LARRY NIGHTINGALE (AGENCY CONTACT PERSON); (414)-257-4411 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/05/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER		PM	0.1500 LB/MMBTU		
		SO2		SULFUR .85%	BACT

NOTES --------
#6 FUEL OIL TO BE USED ONLY WHEN NATURAL GAS INTERRUPTED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983
ID NUMBER WI-0020
SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION BUICK MOTOR DIV., GMC — FLINT, MI — GENESSEE COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 535-79
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) — GREGORY EDWARDS (AGENCY CONTACT PERSON) — (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/31/81
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED, 2 EA	485.00 MMBTU/H				
		PM	0.0300 LB/MMBTU	BAGHOUSE	LAER
		SO2	0.6000 LB/MMBTU 30D AV	DRY FGD SYS.	BACT
		NOX	0.6000 LB/MMBTU 30D AV		BACT
COAL, LIME, HANDLING, & STORAGE		PM	0.0300 GR/DSCF	ENCLOSURES & FABRIC FILTERS	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 122.00 MMBTU/H

COMPANY NAME/SITE LOCATION: BURLINGTON IND. — ERWIN, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-NC-032
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-7120 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	122.00 MMBTU/H				
		PM	0.3000 LB/MMBTU	DUAL MULTICYCLONE	BACT 93.00
		SO2			BACT

NOTES --------
SO2 LIMIT 1% S COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 122.00 MMBTU/H

COMPANY NAME/SITE LOCATION: BURLINGTON IND. — ROCKY MOUNT, NC — NASH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-NC-034
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-7120 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	122.00 MMBTU/H				
		PM	0.3000 LB/MMBTU	DUAL MULTICYCLONE	BACT 93.00
		SO2	1.4000 LB/MMBTU	LOW S COAL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 305.00 MMBTU/H

COMPANY NAME/SITE LOCATION: CAMPBELL SOUP CO. — E OF MAXTON, NC
STATE RT 71 — ROBESON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 074
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/29/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLUIDIZED BED COMBUSTION	305.00 MMBTU/H				
		SO2	1.2000 LB/MMBTU		NSPS
				LIMESTONE	80.00
		PM	0.1000 LB/MMBTU		NSPS
				BAGHOUSE	99.00
		NOX	0.7000 LB/MMBTU		NSPS
				LOW PUMP	
				EQUIPMENT DESIGN	
CAN CONTROL	17150.00 LB/H				
		VOC	40.0000 LB/D		RACT
				LOW SOLVENT	

NOTES --------
5 BOILERS AT 61 MMBTU/H EACH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: CERTIFIED BRAKE, LEAR SIEGLER, INC. — DANVILLE, KY
STEWARTS' LANE — BOYLE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-84-140
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) — JAMES DILLS (AGENCY CONTACT PERSON) — (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/09/85
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASBESTOS WASTE COLLECTION SYS	1141.00 LB/H	ASB*	SEE NOTES BAGHOUSE	B/H 99.50
DISC BRAKE PROCESS EQUIP.	2625.00 LB/H	ASB*	SEE NOTES BAGHOUSE	B/H 99.50
DRUM BRAKE PROCESS EQUIP.	2500.00 LB/H	ASB*	SEE NOTES BAGHOUSE	B/H 99.50

NOTES --------
THIS SOURCE MEETS THE FEDERAL NESHAPS REQUIREMENTS FOR ASBESTOS. 'H' UNDER BASIS OF LIMIT INDICATES NESHAP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: CHEVROLT TRUCK ASSEMBLY PLANT
VAN SLYKE AT ATHERTON RD
FLINT, MI 48551
GENESSEE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 426-79
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY) — DAVID FERRIER (AGENCY CONTACT PERSON) — (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/25/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	171.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	CYCLONE & BAGHOUSE	99.50
		SO2	1.6000 LB/MMBTU 24H AV	LOW S COAL, MAX 1%	
		NOX	0.6000 LB/MMBTU	CONTROL EXCESS & OVERFIRE AIR	
ASH HANDLING SYS.					
		PM	0.0300 GR/DSCF	ENCLOSURES & BAG FILTERS	99.50
COAL HANDLING SYS					
		PM	0.0300 GR/DSCF	ENCLOSURES & BAG FILTERS	99.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: CHICAGO & NORTHWESTERN TRANSP. CO.
600 SHERIDAN
ESCANABA WELLS, MI 49829
DELTA COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 161-80
DATE OF PERMIT ISSUANCE-- 06/01/80
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) JOHN TROUT (AGENCY CONTACT PERSON, (517)-322-1333 (PHONE)
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RR CAR DUMPING					
		PM	0.0160 LB/MLB EXHAUST	BAGHOUSE	99.80

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: COLT INDUSTRIES - HOLLEY CARBURETOR DIV
FOREST HEIGHTS ST.
PARIS, TN 38342
HENRY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TN-061
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)
ANGIE PITCOCK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/01/80
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WHOLE PLANT					
		VOC	33.0000 T/YR	VAPOR RECOVERY	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 243.00 MMBTU/H

COMPANY NAME/SITE LOCATION: CRANSTON PRINT WORKS — FLETCHER, NC — HENDERSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-030
DETERMINATION MADE BY: NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	243.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTICYCLONE + VENTURI SCRUBBER	BACT 98.80
		SO2	1.2000 LB/MMBTU	CAUSTIC WASTE VENTURI SCRUB.	BACT 74.00
		NOX	0.7000 LB/MMBTU	EQUIPMENT OPERATION & DESIGN	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: FORD MOTOR CO., LIMA ENGINE PLANT , OH
ALLEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-19
DETERMINATION MADE BY: OHIO EPA NWD (AGENCY); CHUCK HULL (AGENCY CONTACT PERSON); (419)-352-8461 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/14/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL-FIRED	55.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	MULTICLONES & ESP	
		SO2	1.6000 LB/MMBTU 24H BASIS	LOW SULFUR COAL(< 1.0 % S)	

NOTES --------
SOURCE NOT BUILT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 35000.00 T/YR

COMPANY NAME/SITE LOCATION GAF CORP. CHARMIAN, PA ADAMS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 78PA15
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/02/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL	40.00 T/H	PM	0.9600 LB/H	BAGHOUSE	BACT 99.85

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: GAF CORP. FONTANA, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SE-78-07
DETERMINATION MADE BY: EPA REGION IX (AGENCY); DON HARVEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/01/79
ESTIMATED DATE OF START-UP--
(415)-974-8223 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SURFACING & WINDING SECTIONS OF*	106.00 MLB/H				
		PM	2.5700 LB/H 0.0150 GR/SCF	BAGHOUSE	BACT 99.10
UNWIND & FESTOON SECTIONS OF RO*		PM	1.2900 LB/H 0.0150 GR/SCF	BAGHOUSE	BACT 99.00
SATURATOR	35.00 MLB/D				
		PM	1.8900 LB/H 0.0200 GR/SCF	ESP	
FILLER STORAGE SILO		PM	0.4670 LB/H 0.0150 GR/SCF	VENT FILTER	
FILLER UNLOAD		PM	0.4500 LB/H 0.0150 GR/SCF	VACUUM FILTER	
TALC STORAGE		PM	0.1670 LB/H 0.0150 GR/SCF	VENT FILTER	
SAND STORAGE					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1987; POST STARTUP 04/04/1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.1670 LB/H 0.0150 GR/SCF	VENT FILTER	
TALC UNLOAD					
		PM	0.5270 LB/H 0.0150 GR/SCF	VACUUM FILTER	
SAND & TALC USE BINS					
		PM	0.0260 LB/H 0.0150 GR/SCF	BAGHOUSE	
FILLER USE BIN					
		PM	0.1410 LB/H 0.0150 GR/SCF	BAGHOUSE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: GENERAL ELECTRIC CO. BURKEVILLE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SEE NOTES
DETERMINATION MADE BY: ALABAMA DEM (AGENCY); SUE ROBERTSON (AGENCY CONTACT PERSON); (205)-834-6570 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/08/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN INCINERATOR	60.00 MMBTU/H	POHC	0.0100	% OF POHC INPUT WET SCRUBBERS PRIME COMBUST./QUENCH TOWER/PACKED TOWER	99.99
		PM	0.0800	GR/DSCF WET SCRUBBERS	99.10
		SO2	13.8000	LB/H	
		CO	43.7000	LB/H	
		NOX	94.7000	LB/H	
		HCL	1.0000	% OF CL INPUT WET SCRUBBERS QUENCH TOWER/PACKED TOWER	99.00
FIXED HEARTH INCINERATOR	33.00 MMBTU/H	POHC	0.0100	% OF POHC INPUT WET SCRUBBERS PRIME COMBUST./QUENCH TOWER/PACKED TOWER	99.99
		PM	0.0800	GR/DSCF WET SCRUBBERS	99.10
		SO2	6.0000	LB/H	
		CO	4[illegible]5000	LB/H	
		NOX	48.0000	LB/H	
		HCL	1.0000	% OF CL INPUT WET SCRUBBERS QUENCH TOWER/PACKED TOWER	99.00
ROTARY KILN INCINERATOR	60.00 MMBTU/H				

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		POHC	0.0100	% OF POHC INPUT	
				WET SCRUBBERS	99.99
				PRIME COMBUST./QUENCH TOWER/PACKED TOWER	
		PM	0.0800	GR/DSCF	
				WET SCRUBBERS	99.10
		SO2	13.8000	LB/H	
		CO	43.7000	LB/H	
		NOX	94.7000	LB/H	
		HCL	1.0000	% OF CL INPUT	
				WET SCRUBBERS	99.00
BOILER, 2	382.40 MMBTU/H EA			QUENCH TOWER/PACKED TOWER	
		PM	0.0500	LB/MMBTU	BACT
				BAGHOUSE	99.00
		SO2	1.2000	LB/MMBTU	BACT
				LOW SULFUR COAL	
		NOX	0.7000	LB/MMBTU	NSPS
				DESIGN & OPERATION	
		CO	0.0400	LB/MMBTU	BACT
BOILER, 2	382.40 MMBTU/H EA				
		PM	0.0500	LB/MMBTU	BACT
				BAGHOUSE	99.00
		SO2	1.2000	LB/MMBTU	BACT
				LOW SULFUR COAL	
		NOX	0.7000	LB/MMBTU	NSPS
				DESIGN & OPERATION	
		CO	0.0400	LB/MMBTU	BACT
BOILER, 2	249.00 MMBTU/H EA				
		PM	0.0500	LB/MMBTU	BACT
				BAGHOUSE	99.00
		SO2	1.2000	LB/MMBTU	BACT
				LOW SULFUR COAL	
		NOX	0.7000	LB/MMBTU	NSPS
				DESIGN & OPERATION	
		CO	0.0400	LB/MMBTU	BACT
BOILER	266.80 MMBTU/H				
		PM	0.0500	LB/MMBTU	BACT
				BAGHOUSE	99.00
		SO2	1.2000	LB/MMBTU	BACT
				LOW SULFUR COAL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) GENERAL ELECTRIC CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		NOX	0.7000 LB/MMBTU	DESIGN & OPERATION	NSPS
ELECTRIC ARC FURNACES, 3	5.10 T/H	CO	0.0400 LB/MMBTU		BACT
		PM	0.0004 GR/SCF 29.4000 LB/H	BAGHOUSE SYSTEM	99.00
PRODUCTION UNITS		VE	15.0000 % OPACITY		
		VOC			NSPS
COAL PREP PLANT	300.00 T/H			I & M PROGRAM REQUIRED	72.70
		FUG*	0.0100 GR/DSCF	BAGHOUSES, WET SUPRESSION PARTIAL ENCLOSURES	
		VE	0.0000 % ACROSS PROP. LINE		

NOTES --------
LIMITS FOR POHC,PM,&HCL ARE RCRA. EXPECTED PM &HCL EMIS. ARE < THIS STAND. SO THE EXPECTED IN LB/H ARE ALSO A LIMIT, IE. ROTAR Y KILN-PM=0.08 GR/DSCF,<6.7 LB/H -- HCL=1% OF CHLORINATED WASTE INPUT,<9.7 LB/H. FIXED HEARTH - PM=8.3 LB/H,HCL=16.4 LB/H. FIXED HEARTH INCIN. NOT OPER. WHEN ROTARY KILN IS AVAILABLE. PERMIT # 207-008-X001 THRU X003,207-008-X008,207-008-X009,207-008 -104 THRU X112,207-008-X013,207-008-X301,207-008-X201,207-008-X202,207-008-X305,207-008-X306, 207-008-X312.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 75.00 CARS/H

COMPANY NAME/SITE LOCATION GENERAL MOTORS KANAS CITY, KS WYANDOTTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) DANIEL RODRIGUEZ (AGENCY CONTACT PERSON) (816)-374-6525 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/13/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED SPREADER-ST*	820.00 MMBTU/H (TO*				
		SO2	1.2000 LB/MMBTU 30D AV 1.6000 LB/MMBTU MAX	LOW SULFUR COAL	BACT
		PM	0.0300 LB/MMBTU	BAGHOUSE	BACT
		NOX	0.6000 LB/MMBTU	BOILER DESIGN	BACT

NOTES --------
KANSAS DETERMINED LAER AND ISSUED PERMIT FOR VOC. CONSTRUCTION HAS BEEN DELAYED DUE TO GM'S LACK OF MONEY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: GM DELCO PRODUCTS DIV
2000 FORRER BLVD.
KETTERING, OH 45429
MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 08-144
DETERMINATION MADE BY: RAPCA - DAYTON,OH (AGENCY) JAMES GROSS (AGENCY CONTACT PERSON) (513)-225-4435 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/11/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER #4	150.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	BAGHOUSE	BACT 99.00
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	BACT

NOTES --------
RAM VERSION 78001 MODEL, WITH URBAN COEFFICIENTS AND HOURLY MET. DATA (1970-74), WAS USED TO ESTIMATE POLLUTANT'S IMPACTS.
1983 PERFORMANCE TEST DEMONSTRATED AN AVERAGE PM EMISSION RATE OF 0.013 LB/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 120000.00 LB/H STEAM

COMPANY NAME/SITE LOCATION: GM HYDRA-MATIC
1 HYDRA-MATIC DRIVE — THREE RIVERS, MI 49093
ST. JOSEPH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 657-78
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY) — GREGORY EDWARDS (AGENCY CONTACT PERSON) — (517)-322-1333 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/15/79
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED, 2 EA	60000.00 LB/H				
		PM	0.0600 LB/MMBTU	BAGHOUSE	
		SO2	1.4000 LB/MMBTU	1% S COAL	90.90
		NOX	0.6000 LB/MMBTU	CONTRL EXCESS & OVERFIRE AIR	
COAL & ASH HANDLING					
		PM	0.0300 GR/DSCF	BAG FILTERS DUST SUPPRESION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 03/13/1984

ID NUMBER MI-0025

SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 160000.00 LB/H

COMPANY NAME/SITE LOCATION: GM PROVING GROUND — MILFORD, MI 48000 — OAKLAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 658-78
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY) — GREGORY EDWARDS (AGENCY CONTACT PERSON) — (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/03/81
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED, 4 EA	40000.00 LB/H EA				
		PM	0.0300 LB/MMBTU	BAGHOUSE	99.90
		SO2	1.6000 LB/MMBTU	1% S COAL	
		NOX	0.6000 LB/MMBTU	CONTRL EXCESS & OVERFIRE AIR	
COAL & ASH HANDLING					
		PM	0.0300 GR/DSCF	BAGFILTERS	
				DUST SUPPRESION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/19/1984 — POST STARTUP 03/13/1984

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 75.00 CARS/H

COMPANY NAME/SITE LOCATION: GMC ASSEMBLY PLANT, GIDDING RD. — LAKE ORION, MI 48000 — OAKLAND COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 194-80
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY); GREGORY EDWARDS (AGENCY CONTACT PERSON); (517)-322-1333 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/01/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING EQUIPT.	75.00 CARS/H				
PAINT PRIMER	75.00 CARS/H	PM	3.0000 GR/MCF	EXHAUST	LAER
		VOC	304.5000 LB/H	CATHODIC ELECTRO PROCESS	LAER
		VOC	663.0000 LB/H	HIGH SOL PAINT, H2O BORNE PAINT	LAER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 826.66 MMBTU/H

COMPANY NAME/SITE LOCATION: GMC ASSEMBLY PLANT, GIDDINGS RD. — LAKE ORION, MI 48000 — OAKLAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 208-80
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY) — GREGORY EDWARDS (AGENCY CONTACT PERSON) — (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/01/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPREADER-STOKER	85.00 MMBTU/H EA				
		SO2	1.6000 LB/MMBTU 24H AV	LOW SULFUR COAL (< 1% S)	
		NOX	0.6000 LB/MMBTU		
		PM	0.0300 LB/MMBTU	BAGHOUSE	
COAL & ASH HANDLING EQUIPMENT					
		PM	0.0300 GR/DSCF	ENCLOSURES & BAGHOUSE	99.00
BOILER, COAL FIRED, 3 EA	247.22 MMBTU/H EA				
		SO2	1.6000 LB/MMBTU 24H AV	LOW SULFUR COAL (< 1% S)	
		NOX	0.6000 LB/MMBTU		
		PM	0.0300 LB/MMBTU	BAGHOUSE	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 — POST STARTUP 03/13/1984

ID NUMBER MI-0005

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 75.00 AUTOS/H

COMPANY NAME/SITE LOCATION: GMC CADILLAC MOTORS CORP., HAMTRAMCK INDUST. PARK — DETROIT, MI — WAYNE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. C-5746 THRU C-5763
DETERMINATION MADE BY: WAYNE COUNTY APCD (AGENCY) — AL SCHEANS (AGENCY CONTACT PERSON) — 06/10/81 (313)-224-4693 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/10/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BODY WELDING	382050.00 VEH/YR				
		PM		NO VIS. EMISS. ZONE ESP	
BRONZE WELDING	382050.00 VEH/YR				
		PM		NO VIS. EMISS. HOOD AND ESP	99.00
ROUGH GRIND	382050.00 VEH/YR				
		PM	3.0000 GR/MCF	ZONE ESP & BAGHOUSE	
FINISH GRIND	382050.00 VEH/YR				
		PM	3.0000 GR/MCF	ZONE ESP & BAGHOUSE	
OLEUM DECK	382050.00 VEH/YR				
		VOC	3.6000 LB/GAL WITH H2O	H2O DISPURSED SOLVENT	
ELPO PRIMER	382050.00 VEH/YR				
		VOC	0.1600 KG/L APPL. SOL.	AQUEOUS CATHODIC ELECTRO-DEPO.	
PRIMER/SURFACER	382050.00 VEH/YR				
		VOC	3.2000 LB/GAL APPL. SOL 62.0000 % TRANSFER EFF	HIGH SOLIDS ENAMEL & ELECT. SP	
		PM	98.0000 % OVERSPRAY CONTRL	WATER WASH BOOTH	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ALL TOPCOAT PAINT BOOTHS	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.8000	LB/GAL APPL. SOL	
			37.0000	% TRANSFER EFF SEE NOTE	
TRUCK COATING	382050.00 VEH/YR				
		PM		NO VIS. EMISS. DRY FILTERS	
		VOC	2.8000	LB/GAL APPL. SOL SEE NOTE	
ANTI-CORROSION, DOORS	382050.00 VEH/YR				
		PM	1.0000	GR/MCF DRY FILTERS	
		VOC	4.4000	LB/GAL APPL. SOL HIGH SOLIDS WAX	
ANTI-CORROSION, FENDERS	382050.00 VEH/YR				
		VOC	4.0000	LB/GAL APPL. SOL HIGH SOLIDS WAX	
UNDERBODY DEADNER	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	0.4200	LB/GAL APPL. SOL H2O DISPURSED MATL.	
SMALL PARTS	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.8000	LB/GAL APPL. SOL SEE NOTE	
TEMP. SENSITIVE PARTS BOOTH	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	6.0000	LB/GAL APPL. SOL LACQUER DRIED AT 160 DEG F	
FLEXIBLE PARTS	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.6000	LB/GAL APPL. SOL 25% TE - BASE COAT	
		VOC	4.2000	LB/GAL APPL. SOL 30% TE - CLEAR COAT	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WHEEL BOOTH	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.8000	LB/GAL APPL. SOL WATERBORNE ENAMEL	
FINAL REPAIR	382050.00 VEH/YR				
		PM	1.0000	GR/MCF DRY FILTERS	
SEALER/ADHESIVES	382050.00 VEH/YR	VOC	4.8000	LB/GAL APPL. SOL	
		VOC	70.9000	LB/H USE OF AVAILABLE MATERIALS	
PAINT RACK BURN-OFF					
		PM	1.0000	GR/MCF BAGHOUSE	

NOTES --------
USE OF HIGH SOILDS ENAMAL WITH PARTIAL USE OF ELECTROSTATIC SPRAY (OVERALL 37% TRANSFER EFF.) AND USE OF BAKE OVEN VOC EMISSIO
N INCINERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 75.00 AUTOS/H

COMPANY NAME/SITE LOCATION: GMC CADILLAC MOTORS CORP., HAMTRAMCK INDUST. PARK — DETROIT, MI — WAYNE COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. C-5764 THRU C-5775
DETERMINATION MADE BY: WAYNE COUNTY APCD (AGENCY); AL SCHEANS (AGENCY CONTACT PERSON); (313)-224-4693 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/10/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, POWERHOUSE, 3 EA	247.00 MMBTU/H				
		PM	0.0300 LB/MMBTU	BAGHOUSE	LAER
		NOX	0.6000 LB/MMBTU		
		SO2	1.1000 LB/MMBTU	LOW S COAL	LAER BACT
		CO			
ASH TRANSFER				COMBUSTION CONTRL	LAER
		PM	0.0100 LB/MLB EXHAUST	BAGHOUSE FOR PNEU. TRANS	
COAL UNLOADING	181000.00 T/YR				
		PM		H2O SPRAY/ENCLOSURE WITH ROOF	
COAL HANDLING	181000.00 T/YR				
		PM		NO VIS. EMISS.	
COAL STORAGE	80000.00 SQF PAD.			ENCLOSED CONVEYOR & BAGHOUSE	
		PM		NO VIS. EMISS.	
ASH SILO	300.00 T			CONCRETE STOR. PAD/SPRINK. SYS	
		PM	0.0100 LB/MLB EXHAUST	PRIM. & SEC. CYC. & BAGHOUSE	
ASH LOADOUT					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/19/1984

ID NUMBER MI-0022

SOURCE TYPE CODE 11.0

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM		NO VIS. EMISS. WETTED ASH DISCH. & COVERED TR	

NOTES --------
LIMITS ARE FOR WHOLE PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/19/1984

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: GMC CHEVROLT MOTOR DIV.
100 FITZGERALD ST.
BAY CITY, MI 48706
BAY COUNTY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 488-79
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY); JOHN VIAL (AGENCY CONTACT PERSON); (517)-322-1333 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/01/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STANDS, CARBURETOR TEST,40 EA		VOC	0.2000 PPH	INCINERATOR	LAER 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 88.40 MMBTU/H

COMPANY NAME/SITE LOCATION: GREENWOOD MILLS, INC. — ORANGEBURG, SC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SC035
DETERMINATION MADE BY: SOUTH CAROLINA DHEC (AGENCY); OTTO PEARSON (AGENCY CONTACT PERSON); (803)-758-5406 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/03/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL BOILER	88.40 MMBTU				
		SO2	1.4100 LB/MMBTU	1% S IN FUEL	BACT
		NOX	0.5500 LB/MMBTU	COMBUSTION MODIFICATION	BACT
		PM	0.1000 LB/MMBTU	CYCLONES FOLLOWED BY BAGHOUSES SEE NOTE	BACT 99.98

NOTES --------
PRELIMINARY STACK TESTS INDICATE TSP EMISSIONS OF .08 LB/MILLION BTU, ON VERY HIGH QUALITY COAL. WE EXPECT THE SOURCE TO REQUE ST THIS LIMIT BE REVISED UPWARD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 04/02/1984

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: HILTI INDUSTRIES, INC — TULSA, OK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. T79-27
DETERMINATION MADE BY: TULSA CITY-COUNTY HEALTH DEPT (AGENCY) — BILL GIBBONS (AGENCY CONTACT PERSON) — (918)-744-1000 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/08/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ZINC PLATING	9.50 MMLB/YR	PM		BACT
BLACK MANGANESE-PHOSPHATE LINE	9.50 MMLB/YR	PM		BACT
RUSH INHIBITOR LINE	9.50 MMLB/YR	PM		BACT
RACK STRIP LINE	9.50 MMLB/YR	PM		BACT

NOTES --------
NEW FACILITY. CONTROL EFFICIENCIES BASED ON APPLICANT'S TESTING OF SIMILAR EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION IBM OWEGO, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION II (AGENCY) PAUL KAHN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/12/82
ESTIMATED DATE OF START-UP--
(212)-264-9578 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS TURBINE, 2 EA	2.50 MW	NOX	COMBUSTION CONTROLS	B/N
		SO2	#2 OIL, S > 0.5%	B/N
IC ENGINES, 2 EA	160.00 KW	SO2	#2 OIL, S > 0.5%	BACT
OC ENGINE	150.00 KW	SO2	#2 OIL, S > 0.5%	BACT

NOTES --------
OPERATING HOURS NOT TO EXCEED 720 HOURS PER YEAR PER UNIT, GAS TURBINE MUST COMPLY WITH NSPS SUBPART GG.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 59.00 MW

COMPANY NAME/SITE LOCATION: IBM CORP. — SAN JOSE, CA 95193

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SFB-82-01
DETERMINATION MADE BY: EPA REGION IX (AGENCY) — DAVID SOLOMON (AGENCY CONTACT PERSON) — (415)-974-8240 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/09/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	4100.00 GAL/H				
		SO2	223.0000 LB/H	0.3% S FUEL OIL	BACT
		NOX	142.0000 LB/H 40.0000 PPM	H2O INJECT.-0.94 LB H2O/LB FUEL	BACT 60.00

NOTES --------
#2 FUEL OIL AT NO GREATER THAN 0.3% SULFUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: IBM CORP.
740 NEW CIRCLE RD. LEXINGTON, KY 40511

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. C-78-18
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY); GEORGE DAY (AGENCY CONTACT PERSON); (502)-564-3382 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/23/78
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILO 3 & 4 COATERS	230.40 LB/H	VOC	CARBON ADSORBERS & ENCLOSURES	LAER 88.00
KILO 5 & 6 COATERS	230.40 LB/H	VOC	CARBON ADSORBERS & ENCLOSURES	LAER 95.00

NOTES --------
EFFICIENCY INCLUDES LOSSES FROM INK MIXING, COATING, DRYING, INTERMEDIATE STORAGE, CLEANUPS, & SOLVENT RECOVERY SYSTEMS. KILO 5 & 6 ARE COVERED UNDER PERMIT #C-80-103, WITH A STARTING DATE OF 12/01/81 & PERMIT DATE OF 10/16/80. OTHER STARTUP DATE ARE ... KILO 3 -- 12/29/78, KILO 4 -- 03/10/79, KILO 5 -- 02/01/82, KILO 6 -- NOT CONSTRUCTED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 02/13/1984

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 252000.00 CANS/H

COMPANY NAME/SITE LOCATION: JOS. SCHLITZ BREWING CO. — LONGVIEW, TX — GREGG COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9452
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — ART KELLOGG (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/18/84
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CAN MFG & COATING	252000.00 CANS/H	VOC	SEE NOTE #1 USE OF LOW SOLVANT COATINGS	NSPS

NOTES --------
AMOUNT OF VOC EMITTED PER GALLON OF COATING USED DEPENDS ON WHICH TYPE COATING IS BEING DONE - TWO PIECE CAN EXTERIOR OVERVARNISH, OR INTERIOR BODY SPRAY, - TWO PIECE CAN EXTERIOR END, - END SEALING COMPOUND.
NOTE #1 - EMISSIONS LIMITED PER 40 CFR PART 60, SUBPARTS A & WW.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 100.00 LB/H

COMPANY NAME/SITE LOCATION: MIDWEST FEATHER CO., 2525 COMMODITY CIRCLE — SHARONVILLE, OH — HAMILTON COUNTY

DETERMINATION IS
PERMIT NO. 14-468
DETERMINATION MADE BY: SOUTHWEST OHIO APCA (AGENCY) — WALTER ANDERSON (AGENCY CONTACT PERSON) — (513)-251-8777 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/04/83
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER & SEPARATOR	100.00 LB/H	PM	0.0300 LB/100 LB INPUT BAGHOUSE & CYCLONE	TECH 99.00

NOTES --------
BACT DETERMINED BY TECHNOLOGY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: OHIO MEDICAL ANESTHETICS, 1177 MARQUETTE, CLEVELAND, OH 44114

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1213
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) — IKE HABIB (AGENCY CONTACT PERSON) — (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORANE MFG & STORAGE					
		PM	0.7300 T/YR	ABSORBER & CAUSTIC SCRUBBER	99.00
		ORG*	4.6300 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 237.00 MMBTU/H

COMPANY NAME/SITE LOCATION: PHILIP MORRIS — CHESTER, VA — CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80VA06
DETERMINATION MADE BY: VIRGINIA APCB (AGENCY) — PAUL PITTS (AGENCY CONTACT PERSON) — (804)-786-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/20/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/OIL FIRED	237.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
				ESP	99.60
		NOX	0.7000 LB/MMBTU		BACT
				COMBST MDLS CUT MAX FLAME TEMP	
		VE	20.0000 % OPACITY		BACT
		SO2	2.1000 LB/MMBTU COAL		BACT
			2.5100 LB/MMBTU OIL		
				1.2% SULFUR COAL	

NOTES --------
WHEN BURNING A MIXTURE OF COAL AND OIL, THE SO2 LIMIT SHALL BE DETERMINED USING THE FORMULA: E(SO2) = [2.51(X) + 2.1(Y)]/100 W
HERE X = % HEAT INPUT FROM OIL AND Y = % HEAT INPUT FROM COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: PHOENIX DYE WORKS, 4755 W 150TH ST., CLEVELAND, OH 44135

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1241
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY); IKE HABIB (AGENCY CONTACT PERSON); (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, CONTROLLED AIR	440.00 LB/H			
		PM	0.4600 T/YR 0.1000 LB/HUND. LB WASTE	

NOTES --------
PROCESS WASTE INCINERATOR IS DESIGNED TO BURN THE VARIOUS WASTES, E.G. SCRAP YARN, SPOOL CORES, WRAPPING PAPER, CAFETERIA WAST
E, PLASTIC CORES & STRAPPING, & SCRAP CARDBOARD, USING HEAT GENERATED TO PRODUCE THE MAX AMOUNT OF
STEAM POSSIBLE TO DISPLACE A PORTION OF THE NATURAL GAS NOW USED AS A BOILER FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 443.00 MMBTU/H

COMPANY NAME/SITE LOCATION: PONTIAC MOTOR DIVISION, GMC — PONTIAC, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 124-84
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY) — LYNN FIEDLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1986
(517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	443.00 MMBTU/H				
		PM	0.0500 LB/MMBTU	FABRIC FILTER	BACT
		SO2	1.2000 LB/MMBTU	LIMESTONE ADDITION	BACT 90.00
		NOX	0.5000 LB/MMBTU		BACT
MATL HANDLING, ASH					
		PM	0.0300 GR/DSCF	FABRIC FILTER	BACT
MATL HANDLING, LIMESTONE					
		PM	0.0300 GR/DSCF	FABRIC FILTER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: POOL CO. SAN ANGELO, TX TOM GREEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X3714
DETERMINATION MADE BY: TEXAS ACB (AGENCY) RANDY HAMILTON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP-- 1933

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ABRASIVE CLEANERS		PM	0.4000 T/YR	WET SCRUBBER	99.00
PAINT BOOTHS		VOC	12.4000 T/YR	SEE NOTE	
		PM		DRY FILTERS	90.00

NOTES --------
VOC EMISSION BASED ON 3 LB VOC/GAL PRIMER & 4 LB VOC/GAL FINISH COATINGS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 360.00 MMBTU/H

COMPANY NAME/SITE LOCATION: PROCTOR & GAMBLE — STATEN ISLAND, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION II (AGENCY); EDWARD NOWAK (AGENCY CONTACT PERSON); (212)-264-8690 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	360.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
			0.0500 GR/DSCF		
				MULTICLONE & VENTURI SCRUBBER	85.00
		CO	0.2200 LB/MMBTU		
				PROPER COMBUSTION AIR	
HOGGING OPERATION					
		PM	0.0500 GR/DSCF		BACT
				BAGHOUSE / MULTICLONE	80.00
		VE	20.0000 % OPACITY		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 121.40 MMBTU/H

COMPANY NAME/SITE LOCATION: SAGINAW STEERING GEAR — ATHENS, AL — LIMESTONE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AL 064
DETERMINATION MADE BY: ALABAMA APCD (AGENCY) — SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/15/80
ESTIMATED DATE OF START-UP--
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	121.40 LB/MMBTU				
		PM	1.6000 LB/H		BACT
				BAGHOUSE	99.70
		SO2	1.5000 LB/MMBTU		BACT
				LOW S COAL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER AL-0005

SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION TEXAS INSTRUMENTS, INC. , TX DALLAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14959
DETERMINATION MADE BY TEXAS ACB (AGENCY) ART KELLOGG (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/04/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INTEGRATED CIRCUITS MFG					
		CL	4.2800 T/YR		BACT
				VENTURI SCRUBBER	98.00
		VOC	0.8900 T/YR		BACT
		VOC	0.9700 T/YR		BACT
				INCINERATOR	97.00

NOTES ---------
SIC = 3679. SCC = 4-01-888-01, & 5-03-001-02

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION TRICO INDUSTRIES, INC. , TX
HUNT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9137
DETERMINATION MADE BY TEXAS ACB (AGENCY) JAMES CROCKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/12/83
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEAT TREATING	10 70 MMBTU/H				
		NOX	1.7000 LB/H		
		CO	2.7000 LB/H		
STEEL SHOT CLEANING	144000.00 T/YR				
		PM	15.0000 LB/H		
				BAGFILTER	98.00
PROTECTIVE COATING	33.00 LB/H				
		VOC	18.7600 LB/H		

NOTES --------
DETERMINED THAT IT WAS NOT TECHNICALLY OR ECONOMICALLY REASONABLE TO REDUCE VOC EMISSIONS. OPERATING SCHEDULE 8 H/D, 5 D/WEEK, 52 WEEKS/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: UNION UNDERWEAR CO., INC. — CAMPBELLSVILLE, KY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-84-128
DATE OF PERMIT ISSUANCE-- 10/01/84
ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY: KENTUCKY DAPC (AGENCY) — GERALD GOEBEL (AGENCY CONTACT PERSON) — (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	136.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
				BAGHOUSE	99.00
		SO2	1.2000 LB/MMBTU		BACT
				WET SCRUBBER	90.00
		NOX	0.5870 LB/MMBTU		BACT
		CO	0.2100 LB/MMBTU		BACT
		H2S*	24.4000 T/YR		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 37.50 MMBTU/H

COMPANY NAME/SITE LOCATION: A.I. DUPONT INSTITUTE — WILMINGTON, DE — NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) 79-DE-01
DETERMINATION MADE BY: EPA REGION III (AGENCY) — JOANNE MCKERNAN (AGENCY CONTACT PERSON) — (215)-597-8132 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/18/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 3	37.50 MMBTU/H				
		PM	0.5800 LB/H		BACT
		SO2	66.7000 LB/H	.85% S. IN FUEL OIL	BACT
		CO	2.5000 LB/H		BACT
		VOC	0.5000 LB/H		BACT
		NOX	30.0000 LB/H		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU* — CHATTANOOGA, TN
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0150-50200505-01I
DETERMINATION MADE BY: CHATTANOOGA APCB (AGENCY) — HARVEY RICE (AGENCY CONTACT PERSON) — (615)-867-4321 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/15/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR	1250.00 LB/H CHARGE*	PM	0.0800 GR/DSCF 0.1000 LB/100 LB CHARGED	CONTROLLED COMBUSTION	BACT

NOTES --------
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION CHAMBERS BY INSTRUMENTATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

ID NUMBER TN-0017

SOURCE TYPE CODE 12.0

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU* — CHATTANOOGA, TN
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0150-50200505-02I
DETERMINATION MADE BY: CHATTANOOGA APCB (AGENCY) — HARVEY RICE (AGENCY CONTACT PERSON) — (615)-867-4321 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/15/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR	1250.00 LB/H CHARGE*	PM	0.0800 GR/DSCF 0.1000 LB/100 LB CHARGED CONTROLED COMBUSTION	BACT

NOTES --------
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION CHAMBERS BY INSTRUMENTATION. LIMITED TO 4100 HRS OPERATION PER YEAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 113.00 MMBTU/H

COMPANY NAME/SITE LOCATION: GRIFFISS AIR FORCE BASE — ROME, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 301300047600029A-N
DETERMINATION MADE BY: NEW YORK DEC (AGENCY); DAVID PROSSER (AGENCY CONTACT PERSON); (315)-782-0100 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/28/83
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILERS, 4	113.00 MMBTU/H EA				
		PM	0.0500 LB/MMBTU	FABRIC FILTER	98.00
		SO2	0.7100 LB/MMBTU	DRY SCRUBBER	85.00
		NOX	0.6200 LB/MMBTU	STAGED COMBUSTION	BACT
LIME SILO					
		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
COAL SILO					
		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
ASH SILO					
		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
ASH HANDLING					
		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
LIME BLOWER					
		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
LIME BIN					
		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BIN					
COAL CONVEYOR		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
COAL BUNKER		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
COAL HANDLING		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00

NOTES --------
BOILER PM & SO2 EMISSION LIMITS SPECIFIED FOR NETTING PURPOSES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 169.00 MMBTU/H

COMPANY NAME/SITE LOCATION: LORING AIR FORCE BASE — LIMESTONE, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 21-25
DETERMINATION MADE BY: MAINE DEP (AGENCY) — ROBERT BALLEW (AGENCY CONTACT PERSON) — (207)-289-2437 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/26/83
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER #7	84.50 MMBTU/H	PM	0.0700 LB/MMBTU	BAGHOUSE	
		SO2	1.8000 LB/MMBTU		
		NOX	0.7000 LB/MMBTU		
BOILER #8	84.50 MMBTU/H	PM	0.0700 LB/MMBTU	BAGHOUSE	
		SO2	1.8000 LB/MMBTU		
		NOX	0.7000 LB/MMBTU		
CAR SHAKER BLDG VENT		PM		BAGHOUSE	
ASH SILO DISCHARGE		PM		VENT REC. TRUCKS BACK TO ASH SILO	
COAL HANDLING		PM		WASHED/OILED/H2O,CHEM SUPPRES.	

NOTES --------
MAX SULFUR CONTENT OF COAL IS 1.2%, OPACITY MONITORS REQUIRED ON BOTH BOILERS. ALL CONTROLS ARE TECHNOLOGY BASED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL 18000.00 LB/H STEAM PROD.

COMPANY NAME/SITE LOCATION L.D.S. CHURCH WELFARE SQUARE , UT

SALT LAKE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY UTAH BAQ (AGENCY) CARL BROADHEAD (AGENCY CONTACT PERSON) (801)-533-6108 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/01/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILER	18000.00 LB/H STEAM	PM	0.0400 GR/DSCF	BAGHOUSE	
		VE	20.0000 % OPACITY		
		SO2			
		NOX			

NOTES --------
BAGHOUSE INSTALLED TO CORRECT OPACITY PROBLEMS
PULVERIZED COAL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER UT-0029

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

SOURCE TYPE CODE 12.0

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 318.00 MMBTU/H

COMPANY NAME/SITE LOCATION: MALMSTROM AFB
MALMSTROM AFB — GREAT FALLS, MT 59402
CASCADE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY: EPA REGION VIII (AGENCY) — JOHN DALE (AGENCY CONTACT PERSON) — (303)-837-3763 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/01/81
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
3 HEATERS	318.00 MMBTU/H				
		NOX	0.5000 LB/MMBTU		BACT
			106.0000 LB/H		
				BOILER DESIGN	
		PM	7.6000 LB/H		BACT
				FF	99.80
		SO2	0.3200 LB/MMBTU		BACT
			67.8000 LB/H		
				DRY SCRUB	85.00
COAL CONV	36.00 MT/YR				
		PM	1.0000 T/YR		BACT
				ENCLOSURE	95.00
COAL STOCKPILE	36.00 MT/YR				
		PM	1.0000 T/YR		BACT
				TELE CHUTE	75.00
HANDLING(ASH)					
		PM			BACT
				WATERSPRAYS	
LIME SYS					
		PM	6.0000 T/YR		BACT
				FF	99.60
PILE RECLAIM	36.00 MT/YR				
		PM	1.0000 T/YR		BACT
WIND EROSION					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

(CONTINUED) MALMSTROM AFB

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	27.0000 T/YR		BACT

NOTES ---------
HIGH TEMPERATURE WATER. TWO UNITS OPERATING AN ONCE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL 82.60 MMBTU/H

COMPANY NAME/SITE LOCATION NORFOLK & WESTERN RAILWAY CO. ROANOKE, VA

ROANOKE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA14
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/14/80
ESTIMATED DATE OF START-UP-- 1984
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	82.60 MMBTU/H				
		PM	0.2280 LB/MMBTU		
			56.5000 LB/H		BACT
				ESP	
		SO2	2.1100 LB/MMBTU		95.40
			523.1000 LB/H		BACT
				SULFUR IN FUEL LIMITS	

NOTES --------
TOTAL BOILERHOUSE (4 BOILERS) LIMITED TO 210,000 LB/HR STEAM OUTPUT. SULFUR-IN-FUEL = 1.5% MAX PER SAMPLE, 1.25% MAX MONTHLY AVERAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER VA-0006

SOURCE TYPE CODE 12.0

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: NORTHERN MICHIGAN UNIV. MARQUETTE, MI 49855

MARQUETTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 121-80
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY); GREGORY EDWARDS (AGENCY CONTACT PERSON); (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/20/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 3 TOTAL	60000.00 LB/H				
		PM	0.0300 LB/MMBTU	BAGHOUSE	99.70
		SO2	1.4000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.6000 LB/MMBTU	CONTROL EXCESS & OVERFIRE AIR	
COAL & ASH HANDLING & STORAGE					
		PM	0.0300 GR/DSCF	ENCLOSURES & BAG FILTERS	99.70

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 03/13/1984

ID NUMBER MI-0003

SOURCE TYPE CODE 12.0

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION RADFORD ARMY AMMUNITION PLANT RADFORD, VA
MONTGOMERY/PULASKI COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79VA07
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/27/80
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CAMB THERMAL DEHYDRATOR	2.40 MMLB/MONTH				
		PM	0.9000 LB/H		BACT
				SCRUBBER	99.00
		VOC	217.0000 LB/H		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: SCHAAF LANE GREENHOUSE, INC.
4933 SCHAAF LANE
BROOKLYN HTS, OH 44131

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1093
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY) | IKE HABIB (AGENCY CONTACT PERSON) | DATE OF PERMIT ISSUANCE-- | ESTIMATED DATE OF START-UP-- 1982 | (216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	18.10 MMBTU/H				
		PM	0.2000 LB/MMBTU	MULTICLONE	
		SO2	2.5000 LB/MMBTU		85.00

NOTES --------
STACK TEST IS REQUIRED USING METHODS 1 THRU 5 FROM 40CFR PART 60 APPENDIX A. QUARTERLY REPORTS OF COAL ANALYSIS STATING ASH CONTENT, SULFUR CONTENT, & HEAT CONTENT OF EACH SHIPMENT OF COAL. VISIBLE EMISSIONS FROM THE BOILER SHALL NOT EXCEED 20% OPACITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: SOUTHERLY WASTEWATER TREATMENT, 6000 CANAL RD., CUYAHOGA HTS, OH 44125

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1126
DETERMINATION MADE BY: CLEVELAND DAPC (AGENCY); IKE HABIB (AGENCY CONTACT PERSON); (216)-664-3508 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/03/83
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXING TANK, SLUDGE	400.00 MM GAL/D				
		VOC	0.0000 LB/H	TWO PACKED TOWER SCRUBBERS	85.00
		H2S	0.9000 PPM	TWO PACKED TOWER SCRUBBERS	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 68.00 MMBTU/H

COMPANY NAME/SITE LOCATION: UNIVERSITY HOSPITAL — CINCINNATI, OH — HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1431070207B003
DETERMINATION MADE BY: SOUTHWEST OHIO APCA (AGENCY) — STANLY KOZEMBA (AGENCY CONTACT PERSON) — (513)-251-8777 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	68.00 MMBTU/H				
		PM	0.2250 LB/MMBTU	CYCLONE	94.00
		SO2	2.0000 LB/MMBTU		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: UNIVERSITY OF CINCINATI — CINCINNATI, OH — HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1431070849
DETERMINATION MADE BY: EPA REGION V (AGENCY); BONIFACE THAYIL (AGENCY CONTACT PERSON); (312)-886-6054 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/13/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATING PLANT - COAL					
		PM	0.1800 LB/MMBTU	MULTIPLE CYC & HOPPER EVACUAT.	
		SO2	1.6000 LB/MMBTU		

NOTES --------
SIX MONTH PERIOD WITH MULTIPLE CYCLONE ONLY IN ORDER TO PROPERLY SIZE HOPPER EVACUATION SYS. CONTINUOUS OPACITY MONITORS TO BE INSTALLED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: UNIVERSITY OF TEXAS AT AUSTIN — AUSTIN, TX — TRAVIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9322
DETERMINATION MADE BY: TEXAS ACB (AGENCY) — JAMES RANDALL (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/08/85
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE/BOILER, GAS/WASTE HEAT	SEE NOTE #2				
		VOC	2.1000 LB/H NAT. GAS 24.1000 LB/H FUEL OIL		BACT
		NOX	164.5000 LB/H NAT. GAS 263.5000 LB/H FUEL OIL	STEAM INJECTION	BACT
		SO2	1.0000 LB/H NAT. GAS 304.0000 LB/H FUEL OIL	SEE NOTE #1	BACT
		PM	7.3000 LB/H NAT. GAS 28.0000 LB/H FUEL OIL		BACT
		CO	75.3000 LB/H NAT. GAS 72.0000 LB/H FUEL OIL		BACT

NOTES --------
NOTE #1 - TURBINE & BOILER BOTH FIRED. SULFUR CONTENT LIMITS - <0.56 G/100CF IN NATURAL GAS, <0.5% BY WT. IN FUEL OIL. NOTE #2 - TURBINE - 38.7 MW, BOILER - 145.0 MMBTU/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/21/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 146.40 MMBTU/H

COMPANY NAME/SITE LOCATION: UNIVERSITY OF WYOMING — LARAMIE, WY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. CT-283 SEE NOTE
DETERMINATION MADE BY: WYOMING AQD (AGENCY); ECKART HAAS (AGENCY CONTACT PERSON); (307)-777-7391 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/14/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL, 3 EA, NOTE #1	73.20 MMBTU/H				
		PM	0.1000 LB/MMBTU NOTE #2	BAGHOUSE	NSPS 99.50
		NOX	0.7000 LB/MMBTU		BACT
		SO2	1.6000 LB/MMBTU	0.7% S LIMIT	BACT
		VOC	0.0600 LB/MMBTU		
		CO	0.1200 LB/MMBTU		
ASH HANDLING, STORAGE SILO	10.00 T/H				
		PM	0.2000 LB/H	MECH. COLLECTORS, BAGFILTER, AIRWASH	99.90

NOTES --------
1.) THIRD BOILER IS STANDBY ONLY. 2.) OR 99.5% CONTROL EFFICIENCY, WHICHEVER SMALLEST. ASH HANDLING SYSTEM ON PERMIT #CT-283A WITH PERMIT ISSUANCE DATE OF 08/27/80.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: UNIV. OF MICH., CEN HEATING PLANT, 1120 E. HURON ST., ANN ARBOR, MI 48104, WASHTENAW COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 531-78
DETERMINATION MADE BY: MICHIGAN DNR (AGENCY); GREGORY EDWARDS (AGENCY CONTACT PERSON); (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/01/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS/OIL-FIRED, 2 EA	220.00 MLB/H				
		SO2	0.5200 LB/MMBTU	LOW S OIL	
		NOX	0.3000 LB/MMBTU OIL		
			0.2000 LB/MMBTU GAS	CONTRL EXCESS & OVERFIRE AIR	

NOTES --------
2 OIL OR GAS-FIRED BOILERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983; POST STARTUP 03/13/1984

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION USAF - CHANUTE BASE RANTOUL, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 83 12 0026
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/01/84
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 4	115.00 MMBTU/H	NOX	0.6000 LB/MMBTU	EQUIPMENT DESIGN	BACT

NOTES --------
NOTE - ALSO STATE ID NUMBER 019 817 AAC. PROJECT NOT A MAJOR MODIFICATION FOR PM, SO2, CO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.